
Encyclopedia of Global Bioethics

Henk ten Have
Editor

Encyclopedia of Global Bioethics

With 22 Figures and 22 Tables

 **Springer** Reference

Editor

Henk ten Have
Center for Healthcare Ethics
Duquesne University
Pittsburgh, PA, USA

ISBN 978-3-319-09482-3 ISBN 978-3-319-09483-0 (eBook)
ISBN 978-3-319-09484-7 (print and electronic bundle)
DOI 10.1007/978-3-319-09483-0

Library of Congress Control Number: 2016936783

© Springer International Publishing Switzerland 2016

This work is subject to copyright. All rights are reserved by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, express or implied, with respect to the material contained herein or for any errors or omissions that may have been made.

Printed on acid-free paper

This Springer imprint is published by Springer Nature
The registered company is Springer International Publishing AG Switzerland.

Preface

Global bioethics is a relatively new and emerging discipline. The term was coined by Van Rensselaer Potter, who published his book *Global Bioethics* in 1988. This was partly the result of Potter's frustration. He had introduced the new word "bioethics" in 1970, arguing that a new approach to ethics was needed because of the rapid developments in medical science and technology. Scientific knowledge regarding life should be combined with knowledge of value systems. This new approach should be interdisciplinary since contemporary ethical problems are unprecedented and challenging. Environmental degradation, poverty, violence, war, and overpopulation all impact health and health care but can no longer be addressed through the usual ethical framework of medical ethics. Within a few years, bioethics became a popular label for the burgeoning field of applied ethics. But to Potter's dismay, it did not designate a new approach. In fact, bioethics as developed primarily in Western countries continued to be an upgraded biomedical ethics, focused on individual relations between patients and healthcare providers, and on the application of the latest scientific and technological knowledge. The new label only opened the door to philosophers and theologians into an area of ethics that previously was the exclusive domain of healthcare professionals. In this stage, Potter was not even recognized as the person who invented the term.

Aware that a new approach is still needed, Potter started using "global bioethics." The basic problems with biomedical ethics, even if it is naming itself "bioethics," are threefold. First, it continues to elaborate an ethics of individuals and relations between individuals. Second, it is exclusively interested in the short-term consequences of medical and technological innovations. And third, it does not pay sufficient attention to the social, cultural, political, and environmental determinants of human life and health. Potter advanced two arguments to expand the field of bioethics. The first is the argument of the extension of ethics. For this argument he built on Aldo Leopold, the father of environmental ethics. Ethics should further evolve from a focus on relations between individuals, to relations between individuals and society, and finally to relations between human beings and their environment. The social context of ethical problems can no longer be ignored. At the same time, especially since the 1970s, awareness that the natural environment was seriously deteriorating, with damaging effects on human health, made the separation between biomedical and environmental ethics less and less tenable. These two fields of applied ethics should therefore merge into a broader

approach. This is exactly what is happening since then. Ethics in the context of healthcare is evolving from medical ethics into bioethics, healthcare ethics, or biomedical ethics, while today we are witnessing the emergence of global bioethics. Potter's second argument is the global scope of contemporary healthcare problems. Today's ethical challenges, as exemplified in this Encyclopedia, are produced by processes of globalization. The panorama of bioethical problems has changed. Patients travel across the world for medical interventions; organs, body parts, and tissues are trafficked from one country to another; physicians and nurses migrate from developing countries to Western countries; patients with malaria, tuberculosis, and AIDS are dying each day because they cannot afford effective drugs that are too expensive. The main problem with this increased mobility and interdependency is inequality. Medical science and technology are highly advanced and sophisticated but only available to a minority of the world population.

The global scope of ethical problems nowadays implies that mainstream bioethics as it has developed during the last 50 years in Western countries is evolving into a broader approach that is relevant for people across the world and is focused on new global problems. Addressing these problems demands a broader vision of bioethics that not only goes beyond the current emphasis on individual autonomy and applications of medical technology but that criticizes the social, economic, and political context that is producing the problems at the global level. The adjective "global" in global bioethics demonstrates what should be new; it means "worldwide in scope," addressing the global nature of current problems that requires international cooperation, as well as "unified and comprehensive," incorporating a broad spectrum of ethical approaches, so that bioethics can really operate as a bridge.

This Encyclopedia presents a wide range of subjects. The reader will recognize traditional ones such as abortion, genetic counseling, and transplantation medicine. As a more encompassing approach, global bioethics will incorporate the concerns and issues characterizing mainstream bioethics. But these topics will be examined within a global perspective. They are no longer relevant for developed countries or specific cultures, but due to the international character of healthcare they are now encountered in almost all countries and cultures. This requires a rethinking of their relevancy and governance. The Encyclopedia also discusses topics that are relatively new. Advocacy, biodiversity, care drain, food security, medical tourism, migration, poverty, and weapons, for example, have entered bioethical discourse as a result of globalization.

As a work of tertiary literature, the Encyclopedia contains accumulated knowledge in an easily accessible format. It does not contain research literature (primary literature) or review articles summarizing original papers (secondary literature). Content therefore consists of established information in global bioethics. Each entry specifically addresses the ethical dimension of the subject. Each entry furthermore focuses on the global dimension of bioethics. Content does not present information that is specific for a particular country, region, religion, or tradition but has a global scope. Authors have been asked to structure the entry in a particular way: starting with the history and development of the topic so that the background will be clear; then providing a

conceptual clarification, and if possible a definition; the main body of the text will elaborate the ethical dimension of the subject. Each entry has a limited number of references. It also gives a few recommendations for further reading, if the reader wishes to examine the topic in more detail.

Initially, more than 400 contributions were scheduled. This edition of the Encyclopedia presents 358 entries. For various reasons, it proved difficult to materialize a number of relevant entries within the deadlines for production (e.g., bioterrorism, common heritage of humankind, hunger, and trafficking). Luckily, the work will be accessible online so that regular updates and additions can be made. Global bioethics, as a new area of ethics, is work in progress. It is in different stages of development in various parts of the world. New concerns and challenges will undoubtedly arise, current theoretical approaches will evolve, and global practices and activities will change. Hopefully, the Encyclopedia will assist the interested reader to find orientation and inspiration within this exciting scholarly field of ethics.

Henk ten Have
Editor-in-Chief

Acknowledgment

Setting up, coordinating, reviewing, revising, and publishing a work like this *Encyclopedia of Global Bioethics* would have been impossible without the encouragement, support, and assistance of many other people. The idea of an encyclopedia developed from the work for the *Handbook of Global Bioethics* that I edited together with Bert Gordijn (Dublin City University). Without his encouragement this multivolume work would never have seen the light. The same is true for my university. It provided the ideal circumstances for initiating a project of this magnitude, involving hundreds of authors from a wide range of countries. Duquesne University not only has an interest in promoting ethics in connection to sciences and professions but it also actively promotes teaching activities and research in ethics. The Center for Healthcare Ethics is benefitting from the active support of Duquesne's President Dr. Charles Dougherty, provost Dr. Timothy Austin, and Dr. James Swindal, Dean of the McAnulty College and Graduate School of Liberal Arts. In times of fiscal pressures they continued to support the Center; they also stimulated the scholarly work in global bioethics as an expression of Duquesne's mission of attentiveness to global concerns.

The Center for Healthcare Ethics itself has been a fertile ground for a megaproject. Two of my graduate assistants have contributed enormously to its success as assistant managing editors. Gary Edwards and Michael Afolabi have first helped to identify potential authors from across the world. They were not easy to disappoint. Always searching the Internet and library, they were able to identify expert authors for each entry. They also provided tremendous help in reviewing the draft contributions, suggesting improvements in language and content so that the entries reflect the global dimension of the Encyclopedia. I am very grateful for their ideas, suggestions, and assistance. Fortunately, they also made their own contributions to the work in specific entries.

Much support and encouragement was furthermore provided by members of the International Editorial Board. I had invited colleagues to join this board on the basis of global interest, expertise in various fields of applied ethics, and intimate knowledge of different cultures, traditions, and regions of the world. They all immediately accepted. They also provided a lot of help in finding expert authors and in reviewing submitted contributions. Without their input, the hundreds of entries could never have been included in the Encyclopedia. I would like to thank Toshitaka Adachi (Kameda College of Health Sciences,

Kamogawa City, Chiba Prefecture, Japan), Roberto Andorno (University of Zürich, Institute of Law, Switzerland), Alireza Bagheri (Tehran University Medical School, Tehran, Islamic Republic of Iran), Michael Barilan (Sackler Faculty of Medicine, Tel Aviv University, Israel), Ana Borovecki (Andrija Stampar School of Public Health, School of Medicine, University of Zagreb, Croatia), Roland Chia (Trinity Theological College, Singapore), Véronique Fournier (Director, Centre d'éthique Clinique, Hôpital Cochin, AP-HP, Paris, France), Gerard Magill (Vernon F. Gallagher Chair for the Integration of Science, Theology, Theology and Law, Center for Healthcare Ethics, Duquesne University, Pittsburgh, USA), Jeff Malpas (Philosophy and Gender Studies, Faculty of Arts, University of Tasmania, Australia), Cat Myser (Director of Ethics, Social Medicine and Global Health Programs, Florida Atlantic University, Boca Raton, USA), Paul Ndebele (Director, Medical Research Council, Zimbabwe, Harare, Zimbabwe), Maria do Céu Patrão Neves (former Member of the European Parliament, full professor of Ethics at the Department of Philosophy, University of the Acores, Portugal), Leo Pessini (San Camillus University Center, Sao Paulo, Brazil), Riaan Rheeder (Faculty of Theology, North-West University, Johannesburg, South Africa), Soenarto Sastrowijoto (Center for Bioethics and Medical Humanities, Faculty of Medicine, Universitas Gadjah Mada, Yogyakarta, Indonesia), Stefano Semplici (Faculty of Philosophy, University of Rome "Tor Vergata," Rome, Italy), Ayman Shabana (Georgetown University School of Foreign Service, Doha, Qatar), Jan Helge Solbakk (Center for Medical Ethics, University of Oslo, Norway), Carol Taylor (Center for Clinical Bioethics/Kennedy Institute of Ethics, Georgetown University, Washington DC, USA), and Luis Vivanco (Platform of Bioethics and Medical Education, Center for Biomedical Research of La Rioja, Logroño, Spain).

The production of the Encyclopedia was greatly facilitated by Springer Publishers. First of all, the idea of an Encyclopedia as complementary to the *Handbook of Global Bioethics* was enthusiastically welcomed by Floor Oosting, Executive Editor Applied Ethics, and Michael Hermann, Senior Editor for major reference works. The practical work was facilitated by Annalea Manalili, Associate Editor, who set up an efficient website making editorial management much easier. Special thanks go to Saskia Ellis, Editorial Assistant. She kept track of the flow of manuscripts and made sure that all contributions were managed efficiently and carefully. It has been a pleasure to work with her. Undoubtedly, I have forgotten to thank many others who have been involved in the process of publishing.

Finally, I would like to thank the colleagues who contributed to the Encyclopedia. Thanks to their efforts and time, the final product could be published, so that ultimately we have 358 entries covering most of the relevant subjects in the expanding area of global bioethics.

Henk ten Have
Editor-in-Chief

About the Editor

Henk ten Have studied medicine and philosophy at Leiden University, the Netherlands. He received his medical degree in 1976 from Leiden University and his philosophy degree in 1983. He worked as a researcher in the Pathology Laboratory, University of Leiden (1976–1977), as a practicing physician in the Municipal Health Services, City of Rotterdam (1978–1979), and as a Professor of Philosophy in the Faculty of Medicine and Faculty of Health Sciences, University of Limburg, Maastricht (1982–1991). From 1991, he was a Professor of Medical Ethics and the Director of the Department of Ethics, Philosophy and History of Medicine in the University Medical Centre Nijmegen, the Netherlands. In September 2003, he joined UNESCO as Director of the Division of Ethics of Science and Technology. Since July 2010, he is Director of the Center for Healthcare Ethics at Duquesne University in Pittsburgh, USA (see: www.duq.edu/chce). He is also Adjunct Professor at King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia.

Henk ten Have serves on numerous editorial boards. He is editor-in-chief of *Medicine, Health Care and Philosophy*. He was co-founder and secretary of the European Society for Philosophy of Medicine and Health Care. He published *Medische Ethiek* (with Ruud ter Meulen and Evert van Leeuwen; 4th revised edition 2013), a textbook for medical curricula used in medical schools in the Netherlands. His other books include: *Palliative Care in Europe. Concepts and Policies* (Amsterdam, the Netherlands; IOS Press; 2001), *Bioethics in a European Perspective* (Dordrecht, the Netherlands; Kluwer Academic Publishers; 2001), *The Ethics of Palliative Care. European Perspectives* (Buckingham, UK; Open University Press; 2002), *Ethics and Alzheimer Disease* (Johns Hopkins University Press, Baltimore, 2004), and *Death and Medical Power. An Ethical Analysis of Dutch Euthanasia Practice* (Open University Press, 2005). At UNESCO, he has been involved in a wide range of international activities in bioethics, such as capacity building on the basis of the Universal Declaration of Bioethics and Human Rights, particularly the establishment of national bioethics committees and the promotion of ethics teaching (with a priority for Africa and the Arab Region). With UNESCO he published *Environmental Ethics and International Policy* (Paris, 2006), *Nanotechnologies, Ethics and Politics* (Paris, 2007), and *The UNESCO Universal Declaration on Bioethics and Human Rights. Background, principles and application* (Paris, 2009). In 2011, he published as editor together with Ruth Chadwick and Eric Meslin *The SAGE Handbook of Health Care Ethics: Core*

and *Emerging Issues* (Sage Handbook series, London, SAGE Publications). In the same year his book in Dutch was published: *Bioethiek zonder grenzen. Mondialisering van gezondheid, ethiek en wetenschap* (Bioethics without Borders. Globalisation of health, ethics and science; Valkhof Pers, Nijmegen, the Netherlands). His most recent publications are the *Handbook of Global Bioethics* (co-editor with Bert Gordijn, published in 4 volumes by Springer in 2014) and *Bioethics Education in a Global Perspective* (Springer, 2015). Currently, he is editor-in-chief of the new *International Journal of Ethics Education*. He is also editor of the new book series *Advancing Global Bioethics*, published by Springer Publishers. He established the *International Association for Education in Ethics* in 2012, and serves as its Executive Secretary. In 2016, he will publish two books: *Global Bioethics: An Introduction* and *Vulnerability: Challenging Bioethics* (both with Routledge, UK).

Dr. ten Have is a member of the Real Academia Nacional de Medicina (in Madrid, Spain) as well as of the Royal Dutch Academy of Science (in Amsterdam, the Netherlands). From 2007 to 2010, he was an Honorary Research Professor in the School of Philosophy, University of Tasmania, Australia. In March 2008, he was awarded the title of Doctor Honoris Causa by the Medical University of Pleven in Bulgaria. In September 2008, he received the Oscar M. Ruebhausen Visiting Professorship, Department of Bioethics, Case Western Reserve University in Cleveland. In September 2008, he was awarded the Ethos Prize for Bioethics, sponsored by Calouste Gulbenkian Foundation, Lisbon, Portugal. In 2015, he was appointed as “Lifetime Honorary Member” of the Bangladesh Bioethics Society.

Contributors

G. John M. Abbarno D'Youville College, Buffalo, NY, USA

Toshitaka Adachi DMH, Kameda College of Health Sciences, Kamogawashi, Chiba-ken, Japan

Michael O. S. Afolabi Center for Healthcare Ethics, Duquesne University, Pittsburgh, PA, USA

Global Initiative Center for Scientific Research and Development, Ibadan, Nigeria

Adeshina Afolayan Department of Philosophy, University of Ibadan, Ibadan, Nigeria

Leila Afshar Medical Ethics Department, Shahid Beheshti University of Medical Sciences, Tehran, Iran

George J. Agich Austin, TX, USA

Bowling Green State University, Bowling Green, OH, USA

Cíntia Águas Institute of Bioethics of the Portuguese Catholic University, Lisbon, Portugal

Christopher Agulanna Department of Philosophy, Faculty of Arts, University of Ibadan and West African Bioethics Training Program, University of Ibadan, Ibadan, Nigeria

Ayesha Ahmad University College London, London, UK

Akira Akabayashi Department of Biomedical Ethics, University of Tokyo Graduate School of Medicine, Tokyo, Japan

Muge Akpınar-Elci Old Dominion University, Norfolk, VA, USA

Aslıhan Akpınar Department of History of Medicine and Medical Ethics, Faculty of Medicine, Hacettepe University, Ankara, Turkey

Ghiath Alahmad King Abdullah International Medical Research Center (KAIMRC), King Saud Bin Abdulaziz University for Health Sciences, King Abdulaziz Medical City, Riyadh, Saudi Arabia

Silviya Aleksandrova-Yankulovska Department of Medical Ethics, Management of Health Care and Information Technologies, Medical University of Pleven, Pleven, Bulgaria

Allen Andrew Alvarez Programme for Applied Ethics, Department of Philosophy and Religious Studies, Norwegian University of Science and Technology, Trondheim, Norway

Elinor Amit Harvard Medical School, Harvard University, Boston, MA, USA

Edmond J. Safra Center for Ethics, Harvard University, Cambridge, MA, USA

Roberto Andorno Institute of Law, University of Zürich, Zürich, Switzerland

John I. Anetor Department of Chemical Pathology, College of Medicine, University of Ibadan, Ibadan, Nigeria

Peter Angelos The University of Chicago, Chicago, IL, USA

Marco Annoni National Research Council (CNR), Rome, Italy

Institute of Biomedical Technologies (ITB), Rome, Italy

Fondazione Umberto Veronesi, Milan, Italy

Kiarash Aramesh Center for Healthcare Ethics, Duquesne University, Pittsburgh, PA, USA

Medical Ethics and History of Medicine Research Center, Tehran University of Medical Sciences, Tehran, Iran

Joana Araújo Institute of Bioethics, Catholic University of Portugal, Porto, Portugal

Berna Arda Faculty of Medicine, Department of History of Medicine and Ethics, Ankara University, Sıhhiye Ankara, Turkey

Hitoshi Arima Graduate School of Urban, Social, and Cultural Studies, Yokohama City University, Yokohama, Japan

Ronald C. Arnett Duquesne University, Pittsburgh, PA, USA

Robin Attfield Cardiff School of English, Communication and Philosophy, Cardiff University, Cardiff, Wales, UK

Mark Aulisio Department of Bioethics, Case Western Reserve University School of Medicine, Cleveland, OH, USA

Center for Biomedical Ethics, MetroHealth Medical Center, Cleveland, OH, USA

Julie Aultman Northeast Ohio Medical University, Rootstown, OH, USA

Ademola Azeez Chemical Pathology Department, University College Hospital, Ibadan, Nigeria

David Badcott Centre for Applied Ethics, School of English, Communication and Philosophy, Cardiff University, Cardiff, UK

Alireza Bagheri School of Medicine, Department of Medical Ethics, Tehran University of Medical Sciences, Tehran, Iran

Clive Baldwin Canada Research Chair in Narrative Studies, St. Thomas University, Fredericton, NB, Canada

Marta Dias Barcelos CHAM, Portuguese Centre for Global History, Faculty of Social Science and Humanities, New University of Lisbon, University of the Azores, Lisbon, Portugal

Yechiel Michael Barilan Department of Medical Education, Sackler School of Medicine, Tel Aviv University, Tel Aviv-Yafo, Israel

Ewa Bartnik Faculty of Biology, University of Warsaw and Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw, Poland

Michele Battle-Fisher Boonshoft School of Medicine, Wright State University, Kettering, Ohio, USA

Stéphane Bauzon Department STF/macro area School of Law, University of Rome Tor Vergata, Rome, Italy

Tom L. Beauchamp Philosophy Department and Kennedy Institute of Ethics, Georgetown University, Washington, DC, USA

Carl Becker Kokoro Research Center, Kyoto University, Kyoto, Japan

Kevin G. Behrens Steve Biko Centre for Bioethics, University of the Witwatersrand, Johannesburg, South Africa

Vicente Bellver Department of Philosophy of Law, Universitat de València, Valencia, Spain

Lazare Benaroyo University of Lausanne, Lausanne, Switzerland

Solomon R. Benatar Faculty of Health Sciences, Bioethics Centre, University of Cape Town, Cape Town, South Africa

Belinda Bennett School of Law, Queensland University of Technology, Brisbane, Australia

Cécile M. Bensimon Canadian Medical Association, Ottawa, ON, Canada

Edward J. Bergman Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA

Sharon Bessell Crawford School of Public Policy, The Australian National University, Canberra, Australia

Paul Biegler Centre for Human Bioethics, Monash University, Clayton, VIC, Australia

Nikola Biller-Andorno Institute of Biomedical Ethics and History of Medicine, University of Zürich, Zürich, Switzerland

Alina Bodea University of Pittsburgh, Pittsburgh, PA, USA

Marianne Boenink Department of Philosophy, Faculty of Behavioural and Management Sciences, University of Twente, Enschede, The Netherlands

Giovanni Boniolo Dipartimento di Scienze Biomediche e Chirurgico Specialistiche, Università di Ferrara, Ferrara, Italy

Institute for Advanced Study, Technische Universität München, München, Germany

Ana Borovecki Andrija Stampar School of Public Health, School of Medicine, University of Zagreb, Zagreb, Croatia

Lea Cheyney Brandt Missouri Health Professional Consortium, Occupational Therapy Assistant Program, University of Missouri Center for Health Ethics, Columbia, MO, USA

Alexandra A. Brewis School of Human Evolution and Social Change, Arizona State University, Tempe, AZ, USA

Philip Brey University of Twente, Enschede, The Netherlands

Gillian Brock Philosophy, University of Auckland, Auckland, New Zealand

Bert Broeckaert KU Leuven, Leuven, Belgium

Cheryl M. L. Brown Office of the Director of Public Prosecution, Kingston, Jamaica

Margherita Brusa Department of Medical Education, Sackler School of Medicine, Tel Aviv University, Tel Aviv-Yafo, Israel

Daniel Z. Buchman University Health Network, Toronto, Canada

Joint Centre for Bioethics, University of Toronto, Toronto, Canada

Thomas Buford Furman University, Greenville, SC, USA

Katherine Burke Institute of Medical Genetics, School of Medicine, Cardiff University, Cardiff, Wales, UK

Philip J. Candilis Department of Behavioral Health, Saint Elizabeths Hospital, Washington, DC, USA

Miguel Antonio Sánchez Cárdenas Nursing Faculty, El Bosque University, Bogotá D.C, Colombia

Lindsay B. Carey Palliative Care Unit, School of Psychology and Public Health, La Trobe University, Melbourne, VIC, Australia

Terry Carney Faculty of Law, The University of Sydney, Sydney, Australia

Ana Sofia Carvalho Centre for Research in Bioethics of the Institute of Bioethics, Catholic University of Portugal, Porto, Portugal

Anita Catlin Consultant, Research and Ethics, Pope Valley, CA, USA

Mark Cenite Wee Kim Wee School of Communication and Information, Nanyang Technological University, Singapore

Rhyddhi Chakraborty Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, India

Georges Chapouthier Université Paris 1 Panthéon-Sorbonne, CNRS, ENS UMR 8590 IHPST – Institut d’Histoire et de Philosophie des Sciences et des Techniques, Paris, France

Kate Chatfield University of Central Lancashire, Preston, Lancashire, UK

Justin Chen Depression Clinical and Research Program, Department of Psychiatry, Massachusetts General Hospital, Boston, MA, USA

Frank A. Chervenak Weill Medical College of Cornell University, New York, NY, USA

Roland Chia Trinity Theological College, Singapore, Singapore

Jacqueline J. L. Chin Centre for Biomedical Ethics, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore

Byung In Choe Department of Institutional Review and Research Ethics, Nicholas Cardinal Cheong Graduate School for Life, The Catholic University of Korea, Seoul, South Korea

M. Murat Civaner Department of Medical Ethics, Uludag University School of Medicine, Bursa, Turkey

David Clark School of Interdisciplinary Studies, University of Glasgow, Glasgow, UK

Angus Clarke Institute of Medical Genetics, School of Medicine, Cardiff University, Cardiff, Wales, UK

Carl Cohen The University of Michigan, Ann Arbor, MI, USA

Jeffrey Cohen Social Policy Research Centre, Faculty of Arts and Social Sciences, University of New South Wales, Sydney, NSW, Australia

Raphael Cohen-Almagor Politics, University of Hull, Hull, UK

Stephen Coleman School of Humanities and Social Sciences, University of New South Wales, Canberra, Australia

Military Ethics at the Australian Centre for the Study of Armed Conflict and Society, University of New South Wales, Canberra, Australia

Nikki Coleman School of Humanities and Social Sciences, University of New South Wales, Canberra, Australia

Yali Cong Institute for Medical Humanities, Peking University, Haidian District, Beijing, China

Steven Coughlin Department of Epidemiology, Rollins School of Public Health, Emory University, Atlanta, GA, USA

Andrew Courtwright Department of Pulmonary and Critical Care Medicine, Brigham and Women's Hospital and Institute for Patient Care, Massachusetts General Hospital, Boston, MA, USA

G. K. D. Crozier Department of Philosophy, Laurentian University, Sudbury, ON, Canada

Anthony J. Culyer University of York, York, UK
University of Toronto, Toronto, ON, Canada

Abdallah S. Daar Dalla Lana School of Public Health, University of Toronto, Toronto, Canada

Stellenbosch Institute for Advanced Study (STIAS), Wallenberg Research Centre at Stellenbosch University, Stellenbosch, South Africa

Michel Daher Saint George Hospital UMC, University of Balamand (UOB), Beirut, Lebanon

Marion Danis Department of Bioethics, National Institutes of Health, Bethesda, MD, USA

Menno de Bree Institute for Medical Education, University Medical Center Groningen, Groningen, The Netherlands

Leonardo de Castro Centre for Biomedical Ethics, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore

Inmaculada de Melo-Martín Department of Medicine, Division of Medical Ethics, Weill Cornell Medical College – Cornell University, New York, NY, USA

Wim Dekkers Scientific Institute for Quality of Healthcare (IQ), Radboud University Medical Center, Nijmegen, The Netherlands

Roberto Delgado-Bolton Education Committee Board, San Pedro Hospital, Logroño, Spain

Department of Diagnostic Imaging (Radiology) and Nuclear Medicine, San Pedro Hospital – Center for Biomedical Research of La Rioja (CIBIR), Logroño, Spain

University of La Rioja, Logroño, Spain

Amaboo Dhai Steve Biko Centre for Bioethics, Faculty of Health Sciences, University of the Witwatersrand, Johannesburg, South Africa

Kris Dierickx Centre for Biomedical Ethics and Law, KU Leuven, Leuven, Belgium

Nenad Dikic Faculty of Physical Education and Sports Management, Singidunum University, Belgrade, Serbia

Kevin M. Dirksen Providence Center for Health Care Ethics, Providence Health and Services, Portland, OR, USA

Nenad Djurdjevic Faculty of Law, University of Kragujevac, Kragujevac, Serbia

Piergiorgio Donatelli Sapienza Università di Roma, Rome, Italy

Nigel Dower Department of Philosophy, School of History, Divinity and Philosophy, University of Aberdeen, Aberdeen, UK

Anne-Marie Duguet UMR/INSERM Unit 1027, University Paul Sabatier Faculté de Médecine, Toulouse, France

Peter Duncan Department of Education and Professional Studies, King's College London, London, UK

Mark Earnest University of Colorado, Denver, CO, USA

Gary Edwards Center for Healthcare Ethics, Duquesne University, Pittsburgh, PA, USA

Hans-Jörg Ehni Institute for Ethics and History of Medicine, University of Tübingen, Tübingen, Germany

Marleen Eijkholt Davidson College, Davidson, North Carolina, USA

Carolinas Medical Center, Charlotte, North Carolina, USA

Kiran Ejaz Journal of Pakistan Medical Association, Karachi, Sindh, Pakistan

Perihan Elif Ekmekçi Department of Ministry of Health, Ankara, Turkey

Omur Cinar Elci St. George's University, St. George, WI, Grenada

Bernice S. Elger Institute for Biomedical Ethics, University of Basel, Basel, Switzerland

Mervat E. Elgharieb Department of Ophthalmology, Faculty of Medicine, Suez Canal University, Ismailia, Egypt

International Research Ethics, University of Maryland, Baltimore, MD, USA

Technical Office of RDIC–BEST, UNESCO, ASRT, Cairo, Egypt

Research Ethics Council, Academy of Scientific Research and Technology (ASRT), Cairo, Egypt

Deni Elliott Department of Journalism and Media Studies, University of South Florida, St. Petersburg, FL, USA

Mylan Engel Jr. Northern Illinois University, DeKalb, IL, USA

Sylvie Epelboin Assisted Reproductive Techniques (ART) Unit, Department of Gynecology, Obstetrics and ART, Hôpitaux Universitaires Paris Nord Val de Seine, Paris, France

Paris 7–Diderot University, Paris, France

Eric J. Ettema Department of Medical Humanities, VU University Medical Center, Amsterdam, The Netherlands

Amitai Etzioni The George Washington University, Washington, DC, USA

Nicholas Evans Department of Medical Ethics and Health Policy, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA

Guillermo Fajardo-Ortiz School of Medicine, Universidad Nacional Autónoma de México, México D.F., Mexico

Mahmoud F. Fathalla Department of Obstetrics and Gynaecology, Assiut University, Assiut, Egypt

Thomas Faunce ANU College of Law and College of Medicine, Biology, and the Environment (Joint Appointment), Australian National University, Canberra, ACT, Australia

Eli Feiring Health Management and Health Economics, University of Oslo, Oslo, Norway

Saulo F. Feitosa Cátedra UNESCO de Bioética da Universidade Brasília, Brasília, Brazil

Clemente Maia S. Fernandes São Paulo State University – UNESP, Araraquara, Brazil

Kirk Fiereck The Gender, Sexuality, and Women’s Studies at Penn, Alice Paul Center for Research on Women, Gender, and Sexuality, School of Arts and Sciences, University of Pennsylvania, Philadelphia, PA, USA

Autumn M. Fiester Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA

Robin N. Fiore Institute for Bioethics and Health Policy, University of Miami Miller School of Medicine, Miami, FL, USA

Simon M. Firestone Asia-Pacific Centre for Animal Health, Faculty of Veterinary and Agricultural Sciences, The University of Melbourne, Parkville, VIC, Australia

Celia B. Fisher Fordham University Center for Ethics Education, Bronx, NY, USA

Paul Flaman St. Joseph’s College, University of Alberta, Edmonton, AB, Canada

Véronique Fournier Centre d’éthique Clinique, Hôpital Cochin, Hôpitaux Universitaires Paris Centre, Paris, France

Leslie Francis Department of Philosophy and College of Law, University of Utah, Salt Lake City, UT, USA

Jaryl Gan Centre for Biomedical Ethics, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore

Mirko Daniel Garasic Law Faculty, The Edmond J. Safra Center for Ethics, Tel Aviv University, Tel Aviv, Israel

Alberto Garcia UNESCO Chair in Bioethics and Human Rights, Rome, Italy

Jillian Gardner Steve Biko Centre for Bioethics, Faculty of Health Sciences, University of Witwatersrand, Johannesburg, South Africa

Sally M. Gardner Deakin University, Melbourne, Australia

Volnei Garrafa UNESCO Chair of Bioethics/Faculty of Health Sciences, University of Brasília, Brasília, Brazil

Olivier Garraud Université de Lyon/Saint-Etienne, et Institut National de Transfusion sanguine, Paris, France

Des Gasper International Institute of Social Studies, Erasmus University Rotterdam, The Hague, The Netherlands

Eugenijus Gefenas Department of Medical History and Ethics, Vilnius University, Vilnius, Lithuania

Petra Gelhaus Department for Ethics, History and Philosophy of Medicine, University of Muenster, Muenster, Germany

Psychiatric Clinics Motala/Mjölby, Region Östergötland, Motala, Sweden

Rose Geransar University of Calgary, Calgary, AB, Canada

Christine Gilroy University of Colorado, Denver, CO, USA

James Giordano Neuroethics Studies Program, Pellegrino Center for Clinical Bioethics, Washington, DC, USA

Department of Neurology, Georgetown University Medical Center, Washington, DC, USA

Walter Glannon Department of Philosophy, University of Calgary, Calgary, Canada

Ronald J. Glanville Biosecurity Advisory Service, Melbourne, Australia

Asia-Pacific Centre for Animal Health, Faculty of Veterinary and Agricultural Sciences, The University of Melbourne, Parkville, VIC, Australia

Jose Gomez Philosophy Faculty, Universidad Panamericana and CISAV, México D.F., Mexico

Michael Gordon Baycrest Health Sciences, University of Toronto, Toronto, ON, Canada

Diego Gracia Complutense University of Madrid, Madrid, Spain

Ronald Green Dartmouth College, Hanover, NH, USA

Selynn Guo University of Toronto, Toronto, ON, Canada

Amy M. Haddad Center for Health Policy and Ethics, Creighton University, Omaha, NE, USA

Alison J. Hanlon School of Veterinary Medicine, Veterinary Sciences Centre, University College Dublin, Belfield, Dublin 4, Ireland

Billie-Jo Hardy Department of Philosophy, McMaster University, Hamilton, Canada

Matti Häyry Aalto University School of Business, Helsinki, Finland

Torsten Heinemann Institute for the Study of Societal Issues, University of California, Berkeley, Berkeley, CA, USA

Institute of Sociology, University of Hamburg, Hamburg, Germany

Gert Helgesson Karolinska Institutet, Stockholm, Sweden

Sirkku K. Hellsten University of Helsinki, Helsinki, Finland

University of Dar es Salaam, Dar es Salaam, Tanzania

Kristien Hens Department of Philosophy, University of Antwerp, Antwerp, Belgium

Friedrich Heubel Akademie für Ethik in der Medizin, Marburg, Germany

Rafaela Hillerbrand Institut für Technikfolgenabschätzung und Systemanalyse (ITAS), Karlsruher Institut für Technologie (KIT), Karlsruhe, Germany

Elisabeta Ioana Hiriscu Department Clinical Ethics, Psychiatric Hospitals of the University Basel, Basel, Switzerland

University of Medicine and Pharmacy “Iuliu Hatieganu”, Cluj–Napoca, Romania

Anita Ho Centre for Biomedical Ethics, National University of Singapore, Singapore, Singapore

Centre for Applied Ethics, University of British Columbia, Vancouver, Canada

Calvin W. L. Ho Centre for Biomedical Ethics, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore

The Ethox Centre, Nuffield Department of Population Health, University of Oxford, Oxford, UK

Anita Ho Centre for Biomedical Ethics, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore

Centre for Applied Ethics, University of British Columbia, Vancouver, BC, Canada

Willem A. Hoffmann Faculty of Science, Tshwane University of Technology, Pretoria, South Africa

Bjørn Hofmann Section for Health, Technology, and Society, University College of Gjøvik, Norway and Centre for Medical Ethics, University of Oslo, Oslo, Norway

- Heather B. Hogan** Whaley Estate Litigation, Toronto, ON, Canada
- Pamela Holm** Advanced Neonatal Nurse Practitioner, Cheadle Hulme, UK
- Søren Holm** School of Law, Centre for Social Ethics and Policy, University of Manchester, Manchester, UK
Center for Medical Ethics, HELSAM, University of Oslo, Oslo, Norway
Department of Health Science and Technology, Aalborg University, Aalborg, Denmark
- Soraj Hongladarom** Department of Philosophy, Faculty of Arts, Chulalongkorn University, Bangkok, Thailand
- Claire Hooker** Centre for Values, Ethics and the Law in Medicine, University of Sydney, Sydney, Australia
- Austin R. Horn** Rotman Institute of Philosophy, Western University, London, ON, Canada
- Arif Hossain** Bangladesh Bioethics Society, Dhaka, Bangladesh
Department of Human Rights, Etrat University, Dhaka, Bangladesh
- Lin-Ying Hu** Regent College, University of British Columbia, Vancouver, Canada
- Julian C. Hughes** Northumbria Healthcare NHS Trust, Policy, Ethics and Life Sciences (PEALS) Research Centre, Newcastle University, Newcastle upon Tyne, UK
- Rebekah Humphreys** School of Cultural Studies, University of Wales, Trinity Saint David, Lampeter, Wales, UK
- Matthew Hunt** McGill University, Montreal, QC, Canada
- Richard Huxtable** Centre for Ethics in Medicine, School of Social and Community Medicine, University of Bristol, Bristol, UK
- Hiroshi Ihara** Department of Psychiatry, Koshigaya Hospital, Dokkyo Medical University, Koshigaya, Saitama, Japan
- Kai Ilchmann** Instituto de Relações Internacionais, Pontifícia Universidade Católica do Rio de Janeiro, Rio de Janeiro, RJ, Brazil
- Ana S. Iltis** Center for Bioethics, Health and Society and Department of Philosophy, Wake Forest University, Winston-Salem, NC, USA
- Dipo Irele** Department of Philosophy, University of Ibadan, Ibadan, Nigeria
- António Jácomo** Centre for Research in Bioethics of the Institute of Bioethics, Catholic University of Portugal, Porto, Portugal
- Rien M. J. P. A. Janssens** Department of Medical Humanities, EMGO, VU Medical Center, Amsterdam, The Netherlands

Fatema Jawad Journal of Pakistan Medical Association, Karachi, Sindh, Pakistan

Uffe Juul Jensen Department of Philosophy and History of Ideas, School of Culture and Society, Aarhus University, Aarhus, Denmark

Clarence Shole Johnson Department of Philosophy, Middle Tennessee State University, Murfreesboro, TN, USA

Rebecca A. Johnson Department of Sociology, Princeton University, Princeton, NJ, USA

D. Gareth Jones University of Otago, Dunedin, New Zealand

Fabrice Jotterand Department of Health Care Ethics, Regis University, Denver, CO, USA

Institute for Biomedical Ethics, University of Basel, Basel, Switzerland

Kyu Won Jung School of Law, Hanyang University, Seoul, South Korea

Eleni Kalokairinou Department of Philosophy and Education, Aristotle University of Thessaloniki, Thessaloniki, Greece

Patrick Kermit Norwegian University of Science and Technology (NTNU) and NTNU Social Research, Trondheim, Norway

Sarah E. Ali Khan Centre for Intellectual Property Policy (CIPP), Faculty of Law, McGill University, Montreal, Canada

Sharadhuli I. Kimera Faculty of Veterinary Medicine, Department of Veterinary Medicine and Public Health, Sokoine University of Agriculture, Morogoro, Tanzania

Gerrit Kimsma Department of Ethics, Philosophy and History of Medicine, Radboud University Nijmegen Medical Center, Nijmegen, The Netherlands

Eike-Henner W. Kluge University of Victoria, Victoria, BC, Canada

Paul A. Komesaroff Monash University, Melbourne, Australia

Michiel Korthals Wageningen University, Wageningen, The Netherlands
Free University, Amsterdam, The Netherlands

Jaro Kotalik Northern Ontario School of Medicine, Lakehead Care Centre for Health Care Ethics, Thunder Bay, ON, Canada

Michael H. Kottow Escuela de Salud Pública (School of Public Health), University of Chile, Santiago, Chile

Georges Kutukdjian International Bioethics Committee of UNESCO (IBC) (1992–2001), Sub-Commission A, French National Consultative Commission on Human Rights (CNCDH), Paris, France

Ivo (Bok-Kyu) Kwon Ewha School of Medicine, Ewha Womans University, Yangcheon-gu, Seoul, South Korea

Dirk Lanzerath German Reference Centre for Ethics in the Life Sciences (DRZE), University of Bonn, Bonn, Germany

Shamima Parvin Lasker Department of Anatomy, MH Samorita Medical College, Dhaka, Dhaka, Bangladesh

American University of Sovereign Nations, Scottsdale, AZ, USA

Bangladesh Bioethics Society, Dhaka, Bangladesh

Asian Bioethics Association, Bangkok, Thailand

Gwi Hyang Lee Department of Institutional Review and Research Ethics, Nicholas Cardinal Cheong Graduate School for Life, The Catholic University of Korea, Seoul, South Korea

Rita Lee University of Colorado, Denver, CO, USA

See Muah Lee JurongHealth, Singapore, Singapore

Ng Teng Fong General Hospital, Singapore, Singapore

Saw Swee Hock School of Public Health, National University of Singapore, Singapore, Singapore

Seow Ting Lee Department of Communications and New Media, National University of Singapore, Singapore

Steven P. Lee Hobart and William Smith Colleges, Geneva, NY, USA

Jean-Jacques Lefrère Université Paris-Descartes et Institut National de Transfusion sanguine, Paris, France

Trudo Lemmens Faculty of Law, University of Toronto, Toronto, ON, Canada

Marie-Catherine Letendre Marymount International, Rome, Italy

Bioethics International, New York, NY, USA

Lyne Létourneau Department of Animal Science, Laval University, Quebec, QC, Canada

Evariste B. Likinda Chief of Department of Surgery, University Hospital Centre of Mbandaka, Mbandaka, Equateur, Democratic Republic of the Congo

Roberta Springer Loewy General Medicine, Geriatrics and Bioethics, University of California, Davis, Gold River, CA, USA

Fernando Lolas Center for Interdisciplinary Studies in Bioethics and Department of Psychiatry, Clinical Hospital, University of Chile, Santiago, Chile

Maria Teresa López de la Vieja Philosophy, University of Salamanca, Salamanca, Spain

Márk Losoncz Institute for Philosophy and Social Theory, University of Belgrade, Belgrade, Serbia

Kristi Lõuk Centre for Ethics, University of Tartu, Tartu, Estonia

Florencia Luna FLACSO-CONICET, Buenos Aires, Argentina

Darryl Macer American University of Sovereign Nations, Scottsdale, AZ, USA

Fabio Macioce Law, Lumsa University, Rome, Italy

Paul Macneill Centre for Values, Ethics and the Law in Medicine, University of Sydney, Sydney, Australia

Cheryl C. Macpherson Bioethics Department, St. George's University School of Medicine, St George's, Grenada

Marina Maestrutti Département de sociologie/CETCOPRA, Université Paris 1 Panthéon-Sorbonne, Paris, France

Manuel Magalhães-Sant'Ana School of Veterinary Medicine, Veterinary Sciences Centre, University College Dublin, Belfield, Dublin 4, Ireland

Escola Universitária Vasco da Gama, Coimbra, Portugal

Gerard Magill Center for Healthcare Ethics, Duquesne University, Pittsburgh, PA, USA

Toivo Maimets Institute of Molecular and Cell Biology, University of Tartu, Tartu, Estonia

Mui Hing June Mak Department of Cultural and Religious Studies, The Chinese University of Hong Kong, Hong Kong, SAR, China

Pierre Mallia Bioethics Research Programme, Faculty of Medicine and Surgery, University of Malta, Msida, MSD, Malta

Adefolarin Malomo Department of Surgery, College of Medicine, University of Ibadan and West African Bioethics Training Program, University of Ibadan, Ibadan, Nigeria

Jeff Malpas University of Tasmania, Hobart, TAS, Australia

Latrobe University, Bundoora, VIC, Australia

Lucinda Manda-Taylor School of Public Health and Family Medicine and Centre for Bioethics in Eastern and Southern Africa (CEBESA), College of Medicine, University of Malawi, Chichiri, Blantyre, Malawi

Ray Marks School of Health Sciences and Professional Studies Sciences, York College, City University of New York, New York, NY, USA

Department of Health and Behavioral Studies, Teachers College, Columbia University, New York, NY, USA

Diana Patricia Martínez Clínica Juan Luis Londoño de La Cuesta, Medellín, Colombia

Paula Martinho da Silva Institute of Bioethics, Universidade Católica, Lisbon, Portugal

Francis Masiye School of Public Health and Family Medicine and Centre for Bioethics in Eastern and Southern Africa (CEBESA), College of Medicine, University of Malawi, Chichiri, Blantyre, Malawi

Department of Medicine, University of Cape Town, Cape Town, South Africa

Jude Mutuku Mathooko Global Research Akademik and Mentoring Services, Nakuru, Kenya

Karori Mbugua Department of Philosophy and Religious Studies, University of Nairobi, Nairobi, Kenya

Laurence B. McCullough Center for Medical Ethics and Health Policy, Baylor College of Medicine, Houston, TX, USA

Susana Lauraine McCune School of Applied Psychology, Counseling and Family Therapy, Antioch University Seattle, Seattle, WA, USA

Jennifer L. McCurdy Department of Health Care Ethics, Regis University, Denver, CO, USA

John McMillan Bioethics Centre, University of Otago, Dunedin, New Zealand

Michael J. McNamee College of Engineering, Swansea University, Swansea, UK

David McPherson Department of Philosophy, Creighton University, Omaha, NE, USA

Lewis Mehl-Madrona Coyote Institute, Orono, ME, USA

Acadia Hospital, Bangor, ME, USA

Eastern Maine Medical Center Family Medicine Residency, Bangor, ME, USA

Suzanne Metselaar EMGO Institute for Health and Care Research, VU University Medical Center, Amsterdam, The Netherlands

Thaddeus Metz Philosophy, University of Johannesburg, Auckland Park, South Africa

Joseph Mfutso-Bengo School of Public Health and Family Medicine and Centre for Bioethics in Eastern and Southern Africa (CEBESA), College of Medicine, University of Malawi, Chichiri, Blantyre, Malawi

Andy Miah School of Environment and Life Sciences, University of Salford, Manchester, UK

Jennifer E. Miller Division of Medical Ethics, Department of Population Health, NYU Langone Medical Center, New York, NY, USA

Gonzalo Miranda Pontifical Athanaeum Regina Apostolorum, Rome, Italy

James E. D. Mlangwa Faculty of Veterinary Medicine, Department of Veterinary Medicine and Public Health, Sokoine University of Agriculture, Morogoro, Tanzania

Hyojung Mo Seoul National University, College of Medicine, Xenoplantation Research Center, Seoul, Republic of Korea

Bert Molewijk Department of Medical Humanities, Free University medical centre (VUmc) EMGO+ (Quality of Care), Amsterdam, The Netherlands

Centre for Medical Ethics, Institute of Health and Society, Faculty of Medicine, University of Oslo, Blindern, Oslo, Norway

Dominique Monlezun UNESCO Chair in Bioethics and Human Rights, Rome, Italy

Keymanthri Moodley Department of Medicine, Centre for Medical Ethics and Law, Stellenbosch University, Cape Town, South Africa

Andrew Moore Department of Philosophy, University of Otago, Dunedin, New Zealand

Greg Moorlock University of Birmingham, Birmingham, UK

Sofia Moratti European University Institute, Florence, Italy

Roberto Mordacci Faculty of Philosophy, Università Vita-Salute San Raffaele, Milan, Italy

Simon J. More Centre for Veterinary Epidemiology and Risk Analysis, UCD School of Veterinary Medicine, University College Dublin, Dublin, Ireland

Maurizio Mori University of Turin, Turin, Italy

Charles Ituka Mosimah Boonshoft School of Medicine, Wright State University, Kettering, Ohio, USA

Jesús Mosterín Instituto de Filosofía, CSIC (National Research Council), Madrid, Spain

Amy Mullin University of Toronto Mississauga, Mississauga, ON, Canada

Christian Munthe Department of Philosophy, Linguistics and Theory of Science, University of Gothenburg, Gothenburg, Sweden

Saskia Nagel University of Twente, Enschede, The Netherlands

Rahul Nayak Department of Bioethics, National Institutes of Health, Bethesda, MD, USA

Paul Ndebele Medical Research Council of Zimbabwe, Harare, Zimbabwe

M. Patrão Neves Bioethics Research Centre, Bioethics Institute, Catholic University of Portugal, Porto, Portugal

Guido Nicolosi Department of Political and Social Sciences, University of Catania, Catania, Italy

- Andrea Nicolussi** Università cattolica del Sacro Cuore, Milan, Italy
- Jing-Bao Nie** Division of Health Sciences, Bioethics Centre, University of Otago, Dunedin, New Zealand
- Jessica Nihlén Fahlquist** Philosophy Department, TU Delft, Delft, The Netherlands
Centre for Research Ethics and Bioethics, Uppsala University, Uppsala, Sweden
- Nico Nortjé** Faculty of Community and Health, University of the Western Cape, Cape Town, South Africa
- Per Nortvedt** Center for Medical Ethics, Institute of Health and Society, Faculty of Medicine, University of Oslo, Oslo, Norway
- Rui Nunes** Faculty of Medicine, University Porto, Porto, Portugal
- Herman Nys** Centre for Biomedical Ethics and Law, KU Leuven, Leuven, Belgium
- Temidayo Ogundiran** Department of Surgery, College of Medicine, University of Ibadan and West African Bioethics Training Program, University of Ibadan, Ibadan, Nigeria
- Dónal P. O'Mathúna** School of Nursing and Human Sciences, Dublin City University, Dublin, Ireland
- Chikezie Onuoha** Newmaninstitutet, Uppsala, Sweden
SpringAid International Development Organization, Owerri, Nigeria
- Jean-Claude Osselaer** Transfusion Interrégionale CRS SA, Epalinges, Vaud, Switzerland
- Peter Ikechukwu Osuji** Center for Healthcare Ethics, Duquesne University, Pittsburgh, PA, USA
- Laura Palazzani** Lumsa University, Rome, Italy
- Flávio R. L. Paranhos** Goiania, Brazil
- Jan Payne** Charles University, Prague, Czech Republic
- Ana Lucía Noreña Peña** Department of Nursing, Faculty of Health Sciences, University of Alicante, Alicante, Valencian Community, Spain
- Joseph J. Pear** Department of Psychology, University of Manitoba, Winnipeg, MB, Canada
- Renzo Pegoraro** Fondazione Lanza, Padua, Italy
- Antonio Pele** PUC Rio University, Rio de Janeiro, Brazil
- Corine Pelluchon** University of Franche-Comté, Besançon, France
- Filimon Peonidis** Department of Philosophy, Aristotle University of Thessaloniki, Thessaloniki, Greece

Adriano Pessina Ordinario di Filosofia Morale, Dipartimento di Filosofia, Direttore del Centro di Ateneo di Bioetica, Università Cattolica, Milan, Italy

Leo Pessini San Camillus University Center, Sao Paulo, Brazil

Kakuk Péter Department of Behavioural Sciences, Faculty of Public Health, University of Debrecen, Debrecen, Hungary

Carlo Petrini Bioethics Unit, Istituto Superiore di Sanità (Italian National Institute of Health), Rome, Italy

Ann-Christin Posten Edmond J. Safra Center for Ethics, Harvard University, Cambridge, MA, USA

John Pringle McGill University, Montreal, QC, Canada

Gavin Rae Department of Philosophy, American University in Cairo, Cairo, Egypt

Ahmed Ragaa A. Ragab International Islamic Center for Population Studies and Research, Al-Azhar University, Cairo, Egypt

Daryl Ramai Bioethics Department, St. George's University School of Medicine, St George's, Grenada

Hugo S. Ramirez Garcia Universidad Panamericana Campus Mexico, Mexico City, Mexico

Oliver Rauprich Institute for Ethics, History, and Theory of Medicine, Ludwig-Maximilian-University Munich, Munich, Germany

Frederic G. Reamer School of Social Work, Rhode Island College, Providence, RI, USA

Massimo Reichlin Faculty of Philosophy, San Raffaele University, Milan, Italy

Andreas Reis Global Health Ethics, World Health Organization, Geneva, Switzerland

Stella Reiter-Theil Department Clinical Ethics, Psychiatric Hospitals of the University Basel, Basel, Switzerland

Michel Renaud Faculty of Humanities and Social Sciences, Lisbon New University, Lisbon, Portugal

Jacob Dahl Rendtorff Department of Communication, Business and Information Technologies, Roskilde University, Roskilde, Denmark

David B. Resnik Bioethics, National Institute of Environmental Health Sciences, National Institutes of Health, Research Triangle Park, NC, USA

Riaan Rheeder Unit for the Development of Reformed Theology, North-West University, Potchefstroom, South Africa

Mónica Rincón Physical Medicine and Rehabilitation Department, Fundación Cardioinfantil Instituto de Cardiología, Bogotá, Colombia

Michael Robertson Centre for Values, Ethics and the Law in Medicine, University of Sydney, Sydney, Australia

Karina Robles-Rivera School of Medicine, Universidad Nacional Autónoma de México, México D.F., Mexico

Sabine Roeser Philosophy Department, TU Delft, Delft, The Netherlands

Bernard E. Rollin Department of Philosophy, Colorado State University, Fort Collins, CO, USA

John Rossi Department of Community Health and Prevention, Drexel University School of Public Health, Philadelphia, PA, USA

Joanna Różyńska Institute of Philosophy, University of Warsaw, Warsaw, Poland

Michael Ruse Department of Philosophy, Florida State University, College of Arts and Sciences, Tallahassee, FL, USA

Stephan Sahm Institute for History and Ethics in Medicine, Goethe-University, Frankfurt, Germany

Medical Clinic I, Ketteler Hospital, Offenbach, Germany

Judit Sándor Central European University, Budapest, Hungary

Aiko Sawada The University of Shiga Prefecture, Hikone, Shiga, Japan

Abha Saxena Global Health Ethics, World Health Organization, Geneva, Switzerland

Linda S. Scheirton School of Pharmacy and Health Professions, Occupational Therapy Doctoral Program, Center for Health Policy and Ethics, Creighton University, Omaha, NE, USA

Joseph G. Schenker Department of Obstetrics and Gynecology, Hadassah Medical Centre, Hebrew University, Jerusalem, Israel

Jann E. Schlimme Charité Universitätsmedizin Berlin, Berlin, Germany

Sally Scholz Philosophy Department, Villanova University, Villanova, PA, USA

Paul Schotsmans Centre for Biomedical Ethics and Law, KU Leuven, Leuven, Belgium

Fermin Roland Schramm National School of Public Health/Oswaldo Cruz Foundation, Rio de Janeiro, Brazil

Michael J. Selgelid Centre for Human Bioethics; School of Philosophical, Historical and International Studies, Monash University, Clayton, VIC, Australia

Stefano Semplici Business, Government, Philosophy Studies, University of Rome “Tor Vergata”, Rome, Italy

Mônica da Costa Serra São Paulo State University – UNESP, Araraquara, Brazil

Nicholas Shackel Cardiff University, Cardiff, UK

Oxford Uehiro Centre for Practical Ethics, University of Oxford, Oxford, UK

Carmel Shalev Department of Reproduction and Society, International Center for Health, Law and Ethics, Haifa University, Haifa, Israel

Virginia A. Sharpe Georgetown University, Center for Clinical Bioethics and Veterans Health Administration, National Center for Ethics in Health Care, Washington, DC, USA

Rhonda Shaw Victoria University of Wellington, Wellington, New Zealand

Gil Siegal University of Virginia School of Law, Charlottesville, VA, USA

Center for Health Law, Bioethics and Health Policy Ono Academic College, Kiryat Ono, Israel

Margarida Silvestre Institute of Bioethics, Catholic University of Portugal, Porto, Portugal

Institute of Bioethics, Catholic University of Portugal, Lisboa, Portugal

Coimbra Hospital and University Centre, Coimbra, Portugal

Faculty of Medicine, University of Coimbra, Coimbra, Portugal

Kadri Simm Institute of Philosophy and Semiotics, University of Tartu, Tartu, Estonia

Jacques Simpo Department of Biochemistry/Microbiology/Molecular Biology, Biomolecular Research Centre Pietro Annigoni (CERBA)/LABIOGENE, University of Ouagadougou, Ouagadougou, Burkina Faso

Saint Thomas D'Aquin University (USTA), Ouagadougou, Burkina Faso

Sergio Sismondo Queen's University, Kingston, ON, Canada

Michael Sleasman The Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, USA

Anne Slowther Division of Health Sciences, Warwick Medical School, University of Warwick, Coventry, UK

Anna Smajdor University of East Anglia, Norwich, UK

Jeanne Snelling Bioethics Centre, University of Otago, Dunedin, New Zealand

Jan Helge Solbakk Centre for Medical Ethics, Faculty of Medicine, Institute of Health and Society, University of Oslo, Oslo, Norway

Margaret Somerville Centre for Medicine, Ethics and Law, McGill University, Montreal, QC, Canada

Carlos Alberto Soto-Aguilera School of Medicine, Universidad Nacional Autónoma de México, México D.F., Mexico

Marta Spranzi University of Versailles St-Quentin-en-Yvelines, Center for Clinical Ethics, Cochin Hospital, Paris, France

Michèle Stanton-Jean Centre de Recherche en Droit Public, Université de Montréal, Montreal, QC, Canada

Norbert Steinkamp Scientific Institute for Quality of Healthcare (IQ healthcare), Nijmegen, The Netherlands

Nicola Stingelin-Giles Institute for Biomedical Ethics, University of Basel, Basel, Switzerland

Alexander I. Stingl Research Faculty, Center for Science, Technology, and Society, Drexel University, Philadelphia, PA, USA

Institut für Allgemeinmedizin, Universitätsklinik, Friedrich–Alexander Universität Erlangen–Nürnberg, Erlangen, Germany

Joseph Straus NIPMO–UNISA Chair for Intellectual Property and Innovation, University of South Africa (UNISA), Pretoria, South Africa

Max Planck Institute for Innovation and Competition, Munich, Germany

Judi F. Sture Bradford Disarmament Research Centre, University of Bradford, Bradford, UK

Fredrik Svenaeus Centre for Studies in Practical Knowledge, Södertörn University, Huddinge, Sweden

Norman K. Swazo Department of Political Science and Sociology, North South University, Dhaka, Bangladesh

Peter Sy Department of Philosophy, University of the Philippines, Quezon City, Philippines

Michael Cheng-tek Tai Chungshan Medical University, Taichung, Taiwan

Ádám Takács Atelier Department of European Social Sciences and Historiography, Eötvös Loránd University, Budapest, Hungary

Tuija Takala Aalto University School of Business, Helsinki, Finland

University of Helsinki, Helsinki, Finland

Godfrey B. Tangwa Department of Philosophy, Cameroon Bioethics Initiative (CAMBIN)/University of Yaounde 1, Yaounde, Cameroon

Martha Tarasco Universidad Anáhuac México Norte, México, D.F., Mexico

Anita J. Tarzian Baltimore School of Nursing and UM Carey School of Law, University of Maryland, Baltimore, MD, USA

Carol Taylor School of Nursing and Health Studies and Kennedy Institute of Ethics, Georgetown University, Washington, DC, USA

Carla Teixeira Centre for Research in Bioethics of the Institute of Bioethics, Catholic University of Portugal, Porto, Portugal

Santo António Hospital, Hospital Centre of Porto, Porto, Portugal

Joseph Tham Regina Apostolorum University, Rome, Italy

Janna Thompson Department of Politics and Philosophy, La Trobe University, Melbourne, VIC, Australia

Jean-Daniel Tissot Transfusion Interrégionale CRS SA, Epalinges, Vaud, Switzerland

Leila Toiviainen University of Tasmania, Hobart, Australia

Christopher Tollefsen University of South Carolina, Columbia, SC, USA

Rabee Toumi Center for Healthcare Ethics, Duquesne University, Pittsburgh, PA, USA

John F. Tuohey Providence Center for Health Care Ethics, Providence Health and Services, Portland, OR, USA

Ambros Uchtenhagen Swiss Research Institute for Public Health and Addiction, Zurich University, Zurich, Switzerland

Philip Ogochukwu Ujomudike Department of Philosophy and Religious Studies, Faculty of Humanities, Social and Management Sciences, [FHMSS] Federal University, Wukari, Taraba, Nigeria

Paweł Łuków Institute of Philosophy, University of Warsaw, Warsaw, Poland

Yesim Isil Ulman School of Medicine, Department of History of Medicine and Ethics, Acibadem University, Atasehir-Istanbul, Turkey

Solomon Umukoro Department of Pharmacology and Therapeutics, College of Medicine, University of Ibadan, Ibadan, Nigeria

Carlos Herrera Vacafior University of Toronto, Toronto, ON, Canada

Ibo van de Poel TU Delft, Delft, The Netherlands

Evert van Leeuwen Radboud University Nijmegen Medical Centre, Nijmegen, The Netherlands

Gert Jan van der Wilt Radboud Institute for Health Sciences, Radboud University Medical Centre, Nijmegen, The Netherlands

Anton van Niekerk Centre for Applied Ethics, Stellenbosch University, Matieland, South Africa

Vina Vaswani Department of Forensic Medicine, Centre for Ethics, Yenepoya University, Deralakatte, Mangalore, Karnataka, India

Claude Vergès Universidad de Panamá and Hospital del Niño, Panama, Republic of Panama

Alan I. Vicenteño-León School of Medicine, Universidad Nacional Autónoma de México, México D.F., Mexico

Susana Maria Vidal Bioethics and Ethics of Sciences, Programme Specialist, Social and Human Sciences, UNESCO Bioethics and Ethics of Science Programme for Latin America and the Caribbean, UNESCO Montevideo Office, Montevideo, Montevideo, Uruguay

Luis Vivanco Platform of Bioethics and Medical Education, Center for Biomedical Research of La Rioja (CIBIR), Logroño, Spain

Area of Health, Nutrition and Bioethics, Ibero–American University Foundation (FUNIBER), Barcelona, Spain

Faculty of Health Sciences, European University of the Atlantic, Santander, Spain

Teck-Chuan Voo Centre for Biomedical Ethics, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore

Lance Wahlert Department of Medical Ethics and Health Policy, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA

The Gender, Sexuality, and Women’s Studies at Penn, Alice Paul Center for Research on Women, Gender, and Sexuality, School of Arts and Sciences, University of Pennsylvania, Philadelphia, PA, USA

Department of English, Cinema Studies at Penn, School of Arts and Sciences, University of Pennsylvania, Philadelphia, PA, USA

Simon Walker Division of Health Sciences, Bioethics Centre, University of Otago, Dunedin, New Zealand

Douglas Walton Centre for Research on Reasoning, Argumentation and Rhetoric, University of Windsor, Windsor, ON, Canada

Tenzin Wangmo Institute for Biomedical Ethics, University of Basel, Basel, Switzerland

Darlene Fozard Weaver Duquesne University, Pittsburgh, PA, USA

James Weber Duquesne University, Pittsburgh, PA, USA

Charles Weijer Rotman Institute of Philosophy, Western University, London, ON, Canada

Jos V. M. Welie Creighton University, Omaha, NE, USA

Mark R. Wicclair Department of Philosophy, West Virginia University, Morgantown, WV, USA

Center for Bioethics and Health Law, University of Pittsburgh, Pittsburgh, PA, USA

Guy Widdershoven EMGO Institute for Health and Care Research, VU University Medical Center, Amsterdam, The Netherlands

Matthew Wilhelm-Solomon African Centre for Migration and Society, University of the Witwatersrand, Johannesburg, South Africa

Dick Willems Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands

Deborah A. Williams Department of Behavioral Health, Saint Elizabeths Hospital, Washington, DC, USA

Deborah L. Williams Mayo Clinic/ASU Obesity Solution, Arizona State University, Tempe, AZ, USA

Stephen Wilmot University of Derby, Derby, UK

Kathryn E. Wilt Consultant in Healthcare Ethics, Education and Simulation, Pittsburgh, PA, USA

Gregor Wolbring Department of Community Health Sciences, Community Rehabilitation and Disability Studies, Cumming School of Medicine, University of Calgary, Calgary, AB, Canada

Guangkuan Xie Institute for Medical Humanities, Peking University, Haidian District, Beijing, China

Elizabeth Yuko Fordham University Center for Ethics Education, Bronx, NY, USA

Haihong Zhang Peking University Health Science Center, Beijing, China

Randi Zlotnik Shaul The Hospital for Sick Children, Toronto, ON, Canada

Hub Zwart Department of Philosophy, Faculty of Science, Institute for Science, Innovation and Society (ISIS), Radboud University Nijmegen, Nijmegen, The Netherlands