

Curriculum Vitae

(updated 7 December 2017)

Professor Michael J. Selgelid

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Current Position

2/11 - pres

Monash University, Clayton, Australia

Monash Bioethics Centre (formerly named Centre for Human Bioethics)

Professor of Bioethics (from 1/2013)

Director, Monash Bioethics Centre (from 2/2012)

Director, World Health Organization Collaborating Centre for Bioethics (from 7/2014)

Chair, Global Network of World Health Organization Collaborating Centres for Bioethics (from 6/2014)

Associate Professor of Bioethics (6/12 to 12/12)

Deputy Director, Centre for Human Bioethics (6/11 to 2/12)

Undergraduate Coordinator (4/11 to 2/12; 8/12 to pres)

Senior Lecturer in Bioethics (2/11 to 6/12)

Honorary and Adjunct Appointments

13/7/15 - 12/7/18

Monash University, Melbourne, Australia

School of Public Health and Preventative Medicine

Faculty of Medicine, Nursing and Health Sciences

Adjunct Professor

1/8/14 - 31/8/2019

The University of Warwick, Coventry, UK

Department of Politics & International Studies

Monash-Warwick Honorary Professor

1/12/13 - 31/12/15

The Australian National University (ANU), Canberra, Australia

School of Philosophy, Research School of Social Sciences

Academic Visitor

10/06 - 10/15

University of Sydney, Australia

Centre for Values, Ethics and the Law in Medicine, School of Public Health

Honorary Lecturer

Previous Appointments

3/06 - 2/13

The Australian National University (ANU), Canberra

Senior Research Fellow, Centre for Applied Philosophy and Public Ethics (CAPPE),
School of Philosophy, Research School of Social Sciences

Director, World Health Organization (WHO) Collaborating Centre for Bioethics (from
7/2009 to 7/2013)

Deputy Director (from 9/2008), National Centre for Biosecurity (founding and
Executive Board member since 8/2006), Institute for Population Health

Visiting Fellow, Menzies Centre for Health Policy (6/2006 to 5/2008)

Coordinator, Masters Program in Professional and Applied Ethics, CAPPE (from 4/2009)

Postgraduate Coordinator, CAPPE (from 4/2009)

Organizer of CAPPE weekly seminar series, 6/06-12/06, 7/08-12/08, and 7/09-12/09

Part-Time (.1) Fellow (12/11 to 11/13), School of Philosophy, Research School of Social
Sciences

1/1/09 - 31/12/11

Charles Sturt University, Canberra, Australia

Centre for Applied Philosophy and Public Ethics (CAPPE)

Adjunct Research Fellow

2/04 - 3/06

University of Sydney, Australia

Sesquicentenary Lecturer in Bioethics, joint appointment in the Centre for Values, Ethics
and the Law in Medicine; and the Unit for History and Philosophy of Science

Coordinator, proposal and development of successful new Postgraduate (Masters, etc)
Program in Bioethics See: <http://www.usyd.edu.au/bioethics/>.

Coordinator, Honours Program, Unit for History and Philosophy of Science (from 7/04)

Council Member (from 2/04) and Membership Secretary (from 7/04), Centre for Human
Aspects of Science and Technology (CHAST)

Initiator and convener of new Sydney Bioethics Seminar Series, hosted by the Unit for
History and Philosophy of Science; the Centre for Values, Ethics and the Law in Medicine;
and the Australian Health Policy Institute—with support from the Centre for Human Aspects
of Science and Technology (CHAST), the Faculty of Medicine, and the Research Institute for
Humanities and Social Sciences (RIHSS) (from 4/05)

7/01 - 12/03

University of the Witwatersrand, Johannesburg, South Africa

Lecturer, Department of Philosophy (1/03 to 12/03)

Coordinator, Masters Programme in Applied Ethics for Professionals (from 8/03)

University Research Committee Postdoctoral Fellow, Division of Bioethics, School of Clinical
Medicine (7/01 to 12/02)

Education

1993-2001 University of California, San Diego

Department of Philosophy

Ph.D. awarded June 2001

Dissertation: "Neugenics: Genetically-Informed Reproductive Decision Making"

Supervisor: Philip Kitcher
M.A. awarded December 1997

2000 Monash University, Melbourne, Australia

Centre for Human Bioethics

Visiting PhD student on academic exchange from the University of California, San Diego

8/95 - 3/96 University of California, Berkeley

Graduate Department of Philosophy

Visiting on academic exchange from the University of California, San Diego

1990-1993 University of California, Irvine

Completed all Philosophy coursework required for an undergraduate Philosophy major

1984 - 1988 Duke University, Durham, North Carolina

B.S.E. in Biomedical Engineering awarded May 1988

Curriculum focused on Electrical and Chemical Engineering - and their application to

Biological Systems - e.g., research and design of artificial organs, medical imaging systems and other medical instruments.

Research Interests

My research primarily focuses on Applied Ethics, Bioethics, and Public Health Ethics. Special areas of interest include:

Infectious Disease

Genetics and Biotechnology

Research Ethics

Reproductive Ethics

Biosecurity and Bioterrorism

Synthetic Biology

Health Care in Developing Countries

Health Surveillance Ethics

Philosophy of Security

Translational Bioethics

Practical and Philosophical Bioethics

Publications

Books

Ethics and Drug-Resistant Infections: Collective Responsibility for Global Public Health. Co-edited with Euzebiusz Jamrozik. Forthcoming with Springer Nature. Work in progress; under contract.

On the Dual Uses of Science and Ethics: Principles, Practices, and Prospects. Co-edited with Brian Rappert. Canberra: ANU E Press, 2013. Available (free) at <http://press.anu.edu.au/titles/centre-for-applied-philosophy-and-public-ethics-cappe/on-the-dual-uses-of-science-and-ethics/>

Emergency Ethics. Co-edited with A.M. Viens. Farnham, UK: Ashgate, 2012. For details, see: https://www.ashgate.com/default.aspx?page=637&calcTitle=1&forthcoming=1&title_id=11726&edit ion_id=12095

Ethics and Security Aspects of Infectious Disease Control: Interdisciplinary Perspectives. Co-edited with Christian Enemark. Farnham, UK: Ashgate, 2012. For details, see: <http://www.ashgate.com/isbn/9781409422532>

Infectious Disease Ethics: Limiting Liberty in Contexts of Contagion. Co-edited with Angela McLean, Nimalan Arinaminpathy, and Julian Savulescu. Dordrecht, NE: Springer, 2011. For details, see: <http://www.springer.com/social+sciences/applied+ethics/book/978-94-007-0563-0>

Health Rights. Co-edited with Thomas Pogge. Farnham, UK: Ashgate, 2010. For details, see: <http://www.ashgate.com/isbn/9780754627944>

Ethical and Philosophical Consideration of the Dual-Use Dilemma in the Biological Sciences. Co-authored with Seumas Miller. Dordrecht, NE: Springer, 2008. For details, see: <http://www.springer.com/philosophy/ethics/book/978-1-4020-8311-2> . For review see here: <http://www.springerlink.com/content/130217rr7515354h/fulltext.pdf>

Ethics and Infectious Disease. Co-edited with Margaret P. Battin, and Charles B. Smith. Oxford, UK: Blackwell, 2006. For details see: <https://www.blackwellpublishing.com/contents.asp?ref=140514596X&site=1>. For review see here: <http://www.who.int/bulletin/volumes/86/8/08-056242/en/index.html>

Policing Virtue? Proceedings of the 7th Annual Seminar of the Centre for Values, Ethics and the Law in Medicine. Co-edited with Chris Jordens and Ian Kerridge. Sydney: VELIM; 2004, 98pp. ISBN 1 84687 716.

Societal Decision Making and the New Eugenics. In the *Grey Series* of the European Academy (Europäische Akademie) for the Study of Consequences of Scientific and Technological Advance, Bad Neuenahr-Ahrweiler GmbH, Germany, Nr. 30, March 2002, 62 pp., available (free) at http://www.ea-aw.de/fileadmin/downloads/Graue_Reihe/GR_30_Eugenics_042002.pdf.

Journal Articles

"Reconciling Regulation with Scientific Autonomy in Dual-Use Research." Co-authored with Nicholas Evans and Robert Simpson. Under review by *Journal of Medicine and Philosophy*.

"Kidney Sales and the Burden of Proof." Co-authored with Julian Koplin. Forthcoming in *Journal of Practical Ethics*.

"Influenza Vaccination Strategies Should Target Children." Co-authored with Ben Bamberg et al. Forthcoming in *Public Health Ethics*.

"Ethics, Health Policy, and Zika: From Emergency to Global Epidemic" Co-authored with Euzebiusz Jamrozik. Forthcoming in *Journal of Medical Ethics*. Published Online First 16 November 2017. (doi: 10.1136/medethics-2017-104389) See: <http://jme.bmj.com/content/early/2017/11/16/medethics-2017-104389>

"Zika, Contraception and the Non-Identity Problem." Co-authored with Keyur Doolabh, Lucius Caviola, Julian Savulescu, and Dominic Wilkinson. In *Developing World Bioethics*, Vol 17, No. 3, December 2017, pp. 173-204. Available (free) at: <http://onlinelibrary.wiley.com/doi/10.1111/dewb.12176/full>

"Necessity and Least Infringement Conditions in Public Health Ethics." Co-authored with Timothy Allen. In *Medicine, Health Care and Philosophy*, Vol. 20, No. 4, December 2017, pp. 525-535. Available (free) at: <https://link.springer.com/article/10.1007/s11019-017-9775-0>

"World Health Organization, Public Health Ethics, and Surveillance: Essential Architecture for Social Well-Being." Co-authored with Amy L. Fairchild, Angus Dawson, and Ronald Bayer. *American Journal of Public Health*, Vol. 107, No. 10, October 2017, pp. 1596-1598.

"Ethics of Public Health Surveillance: New Guidelines." Co-authored with Amy L. Fairchild, Ali Akbar Haghdoost, Ronald Bayer, Angus Dawson, Abha Saxena, and Andreas Reis. *Lancet Public Health*, Vol. 2, August 2017, pp. e348-e349. Available (free) at: [http://www.thelancet.com/journals/lanpub/article/PIIS2468-2667\(17\)30136-6/fulltext](http://www.thelancet.com/journals/lanpub/article/PIIS2468-2667(17)30136-6/fulltext)

"The Intensive Care Lifeboat: A Survey of Lay Attitudes to Rationing Dilemmas in Neonatal Intensive Care." Co-authored with Chavy Arora, Julian Savulescu, Hannah Maslen, and Dominic Wilkinson. In *BMC Medical Ethics*, Vol. 17, No. 69, November 2016, pp. 1-9. Available (free) at: <https://bmcomedethics.biomedcentral.com/articles/10.1186/s12910-016-0152-y>

"Research Ethics Governance in Times of Ebola." Co-authored (6th author) with Doris Schopper, Raffaella Ravinetto, Lisa Schwartz, Eunice Kamaara, Sunita Sheel, Aasim Ahmad, Angus Dawson, Jerome Singh, Amar Jesani, and Ross Upshur. In *Public Health Ethics*, Vol. 19, No. 1, April 2017, pp. 49-61. Available (free) at: <https://academic.oup.com/phe/article/10/1/49/2548977/Research-Ethics-Governance-in-Times-of-Ebola>

"Victims, Vectors and Villains: Are Those Who Opt Out of Vaccination Morally Responsible for the deaths of others?" Co-authored with Euzebiusz Jamrozik and Toby Handfield. In *Journal of Medical Ethics*, Vol. 42, No. 12, December 2016, pp. 762-768. Available (free) at: <http://jme.bmj.com/content/42/12/762>

"Gain-of-Function Research: Ethical Analysis". In *Science and Engineering Ethics*, Vol. 22, No. 4, August 2016, pp. 923-964. Available (free) at: <http://link.springer.com/article/10.1007/s11948-016-9810-1>

"Ethical Criteria for Human Challenge Studies in Infectious Diseases". Co-authored with Ben Bambery, Charles Weijer, Julian Savulescu, and Andrew J. Pollard. In *Public Health Ethics*, Vol. 9, Issue 1, April 2016, pp. 92-103.

"Capabilities and Incapabilities of the Capabilities Approach to Health Justice." In *Bioethics*, Vol 30, Number 1, January 2016, pp. 25-33.

"A Relational Approach to Saviour Siblings?" In *Journal of Medical Ethics*, Vol. 41, No. 12, December 2015, pp. 924-925. Available (free) at: http://jme.bmj.com/content/41/12/924.short?g=w_jme_current_tab

"Ethical Aspects of Malaria Control and Research." Co-authored (with Euzebiusz Jamrozik, Vânia de la Fuente-Núñez, Andreas Reis, and Pascal Ringwald). In *Malaria Journal*, 2015, 14:518. Available (free) at: <http://www.malariajournal.com/content/pdf/s12936-015-1042-3.pdf> (doi: 10.1186/s12936-015-1042-3)

"Burden of Proof in Bioethics". Co-authored with Julian Koplin. In *Bioethics*, Vol. 29, Issue 9, November 2015, pp. 597-603.

"Biosecurity and Open Source Biology: The Promise and Peril of Distributed Synthetic Biological Technologies." Co-authored with Nicholas Greig Evans. In *Science and Engineering Ethics*, Vol. 21, Issue 4, August 2015, pp. 1065-1083.

"Innovations in Research Ethics Governance in Humanitarian Settings". Co-authored with Doris Schopper, Angus Dawson, Ross Upshur, Aasim Ahmad, Amar Jesani, , Raffaella Ravinetto, Sunita Sheel and Jerome Singh. In *BMC Medical Ethics* Vol. 16, No.10, February 2015, pp. 1-12. Available (free) at: <http://www.biomedcentral.com/1472-6939/16/10> (doi:10.1186/s12910-015-0002-3)

"Conflicting Clinical Duties." In *Journal of Medical Ethics*, Vol. 41, No. 3, pp. 213-214. Available (free) at: <http://jme.bmj.com/content/41/3/213.full.pdf+html?sid=485122b7-a43f-493a-a6ca-bcb2d80b2c44>

"Ethical and Empirical Issues Concerning Conditional Treatment of Lead Poisoning from Gold Mining In Nigeria." In *Public Health Ethics*, Vol. 7, No. 3, November 2014, pp. 306-307. Available (free) at: <http://phe.oxfordjournals.org/cgi/reprint/phu015?ijkey=xqZssuYwaxMVp4p&keytype=ref>

"Placebo Use in Vaccine Trials: Recommendations of a WHO Expert Panel". Co-authored with Annette Rid, Abha Saxena, Abdhullah H. Baqui, Anant Bhan, Julie Bines, Marie-Charlotte Bouesseau, Arthur Caplan, James Colgrove, Ames Dhai, Rita Gomez-Diaz, Shane Green, Gagandeep Kang, Rosanna Lagos, Patricia Loh, Alex John London, Kim Mulholland, Pieter Neels, Puneet Pitisuttithum, Samba Cor Sarr, Mark Sheehan, and Peter G Smith. In *Vaccine*, Vol. 32, No. 37, 20 August 2014, pp. 4708-4712. Available (free) at: <http://www.sciencedirect.com/science/article/pii/S0264410X14005374>

"Freedom and Moral Enhancement." In *Journal of Medical Ethics*, Vol. 40, No. 4, April 2014, pp. 215-216. Available (free) at: <http://jme.bmj.com/content/40/4/215.full.pdf+html>

"Moderate Eugenics and Human Enhancement." In *Medicine, Health Care and Philosophy*, Vol. 17, No. 1, February 2014, pp. 3-12.

"The Case for Mandatory Flu Vaccination of Children." Co-authored with Ben David Bamberg, Hannah Maslen, Andrew J. Pollard, and Julian Savulescu. In *American Journal of Bioethics*, Vol. 13, No. 9, September 2013, pp. 38-40.

"Ethical Considerations for Vaccination Programmes in Acute Humanitarian Emergencies". Co-authored with Keymanthri Moodley, Kate Hardie, Ronald J. Waldman, Peter Strebel, Helen Rees, and David N. Durham. In *Bulletin of the World Health Organization*, Vol 91. No. 4, April 2013, pp. 290-297. Available (free) at: <http://www.who.int/bulletin/volumes/91/4/12-113480.pdf>

"Biodefense and Dual-Use Research: The Optimization Problem and the Value of Security." In *Journal of Medical Ethics*, Vol. 39, No. 4, April 2013, April 2013, pp. 205-206.

"Moral Uncertainty and the Moral Status of Early Human Life." In *Monash Bioethics Review*, Vol. 30, No. 1, March 2012, pp. 52-57. Available (free) at: <http://journals.publishing.monash.edu/ojs/index.php/mber/article/view/882/971> .
Condensed version reprinted in *Journal of Medical Ethics*, Vol. 39, No. 5, May 2013, p. 324.)
Available at: <http://jme.bmj.com/content/39/5/324.1.full.pdf+html>

"The Role of Informed Consent in Tuberculosis Testing and Screening", co-authored with Carl H. Coleman, Andreas Reis, Lee B. Reichman and Ernesto Jaramillo. In *European Respiratory Journal*, Vol. 39, No. 5, May 2012, pp. 1057-1059. Available (free) at: <http://erj.ersjournals.com/content/39/5/1057.full>

“Il problema delle malattie infettive tra sicurezza ed etica: il caso dell'HIV/AIDS”, co-authored with Christian Enemark and Alberto Giubilini. In *Bioetica: Rivista Interdisciplinare [P]*, vol 20, issue 2, La Consulta di Bioetica, Milan, Italy, 2012, pp. 185-204.

“Ethical Issues in Tuberculosis Diagnosis and Treatment,” co-authored with Lee B. Reichman. In *International Journal of Tuberculosis and Lung Disease*, Vol. 15, No. 6/Supp 2, June 2011, S9-S13.

“Back to the Future: Controlling Synthetic Life Science Trade in DNA Sequences.” Co-authored with Gabrielle Samuel and Ian Kerridge. In *Bulletin of the Atomic Scientists*, Vol. 66, No. 5, September/October 2010, pp. 9-20. Available (free) at: <http://bos.sagepub.com/content/66/5/9.full.pdf+html>

“Reflections on the Synthetic Production of Poliovirus.” Co-authored with Lorna Weir. In *Bulletin of the Atomic Scientists*, Vol. 66, No. 3, May/June 2010, pp. 1-9.

“The Mousepox Experience: An Interview with Ronald Jackson and Ian Ramshaw on Dual-Use Research.” Co-authored with Lorna Weir. In *EMBO reports*, Vol. 11, No. 1, January 2010, pp. 18-24. Available (free) at: <http://www.nature.com/embor/journal/v11/n1/pdf/embor2009270.pdf>

“Dual-Use Research Codes of Conduct: Lessons from the Life Sciences.” In *NanoEthics*, Vol. 3, No. 3, December 2009, pp. 175-183. Reprinted in *Infectious Disease Ethics: Limiting Liberty in Contexts of Contagion*, ed. by Michael J. Selgelid, Angela McLean, Nimalan Arinaminpathy, and Julian Savulescu, Dordrecht, NE: Springer, 2011, pp. 135-143.

“Professionalization as a Governance Strategy for Synthetic Biology.” Co-authored with Lorna Weir. In *Systems and Synthetic Biology*, Vol. 3, No. 1-4, December 2009, pp. 91-97. Available (free) at: <http://www.springerlink.com/content/m3711632837x2511/fulltext.pdf>

“Promoting Fairness, Trust, and Compliance: Reciprocity and Compensation.” In *The American Journal of Bioethics*, Vol. 9, No. 11, November 2009, pp 22-24.

“Governance of Dual Use Research—An Ethical Dilemma.” In *Bulletin of the World Health Organization*, Vol. 87, No. 9, September 2009, pp. 720-723. Available (free) at: <http://www.who.int/bulletin/volumes/87/9/08-051383.pdf>

“A Moderate Pluralist Approach to Public Health Ethics and Policy Making.” In *Public Health Ethics*, Vol. 2, No. 2, July 2009, pp. 195-205.

“Response to ‘Informed Patient Consent for Defaulter Tracing: Should we Obtain it?’” Co-authored with fellow members of Ethics Advisory Group (Mary Edginton, Amir Khan, David Miller, Marlon Roldan, Michael Selgelid) of the International Union Against Tuberculosis and Lung Disease. In *International Journal of Tuberculosis and Lung Disease*, Vol. 13, No. 5, May 2009, pp. 556-557. Available (free) at: <http://www.ingentaconnect.com/content/iuatld/ijtd/2009/00000013/00000005/art00006>

“Pandethics.” In *Public Health*, Vol. 123, No. 3, March 2009, pp. 255-259. Available (free) at <http://download.thelancet.com/flatcontentassets/H1N1-flu/preparedness/preparedness-36.pdf>

“Managing the Unimaginable: Regulatory Responses to Challenges Posed by Synthetic Biology and Synthetic Genomics” Co-authored with Gabrielle N. Samuel and Ian Kerridge. In *EMBO Reports*, Vol. 10, No. 1, 2009, pp. 7-11. Available (free) at <http://www.nature.com/embor/journal/v10/n1/pdf/embor2008232.pdf>

“Infectious Diseases, Security and Ethics: The Case of HIV/AIDS.” Co-authored with Christian Enemark. In *Bioethics*, Vol. 22, No. 9, 2008, pp. 457-465. Reprinted in *Ethics and Security Aspects of Infectious Disease Control*, ed. by Christian Enemark and Michael J. Selgelid, Farnham, UK: Ashgate, 2012, pp. 45-58; and (forthcoming) in the *Ashgate Library of Essays on Legal Ethics and the Enforcement of Law*, ed. by Katerina Hadjimatheou, John Guelke and Tom Sorell, Farnham, UK: Ashgate, 2015.

“Improving Global Health: Counting Reasons Why.” In *Developing World Bioethics*, Vol. 8, No. 2, 2008, pp. 115-125. Reprinted in *Health Rights*, ed. by Michael J. Selgelid and Thomas Pogge, Farnham, UK: Ashgate, 2010.

“A Full-Pull Program for the Provision of Pharmaceuticals: Practical Issues.” In *Public Health Ethics*, Vol. 1, No. 2, 2008, pp. 134-145. Available (free) at <http://phe.oxfordjournals.org/cgi/reprint/1/2/134>

“Specifying the Duty to Treat.” Co-authored with Yen-Chang Chen. In *The American Journal of Bioethics*, Vol. 8, No. 8, August 2008, pp. 26-27. Available (free) at http://pdfserve.informaworld.com/87270_902569583.pdf

“Ethics and Research: The Case of Informed Consent.” Co-authored with Mary Edginton. In *International Journal of Tuberculosis and Lung Disease*, Vol. 12, No. 5, 2008, pp. 465-466.

“Ethics, Tuberculosis, and Globalization.” In *Public Health Ethics*, Vol. 1, No. 1, 2008, pp. 10-20. Available (free) at <http://phe.oxfordjournals.org/cgi/reprint/1/1/10>

“Ethical Challenges in TB Control in the Era of XDR-TB.” Co-authored with Paul Kelly and Adrian Sleigh. In *International Journal of Tuberculosis and Lung Disease*, Vol. 12, No. 3, 2008, pp. 231-235. Available (free) at <http://www.ingentaconnect.com/content/iatld/ijtd/2008/00000012/00000003/art00003>

“Just Liability and Reciprocity Reasons for Treating Wounded Soldiers.” In *The American Journal of Bioethics*, Vol 8, No. 2, February 2008, pp. 19-21.

“An Argument against Arguments for Enhancement.” In *Studies in Ethics, Law and Technology*, Vol. 1, No. 1, 2007. Available (free) at <http://www.bepress.com/cgi/viewcontent.cgi?article=1008&context=selt>

“Ethical and Philosophical Consideration of the Dual-Use Dilemma in the Biological Sciences.” Co-authored with Seumas Miller. In *Science and Engineering Ethics*, Vol. 13, No. 4, 2007, pp. 523-580.

“Pandemic and Public Health Controls: Toward an Equitable Compensation System.” Co-authored with Theresa Ly and Ian Kerridge. In *Journal of Law and Medicine*, Vol. 15, No. 2, 2007, pp. 318-324.

“A Tale of Two Studies: Ethics, Bioterrorism, and the Censorship of Science.” In *The Hastings Center Report*, Vol. 37, No. 3, May/June 2007, pp. 35-43.

“The Importance of ‘Throwing Money’ at the Problem of Global Health.” In *Indian Journal of Medical Ethics*, Vol. 4, No. 2, April-June 2007, pp. 73-75. Available (free) at <http://www.ijme.in/152ie73.html>.

“Ethics and Drug Resistance.” In *Bioethics*, Vol. 21, No. 4, May 2007, pp. 218-229.

“Taking Sociology Seriously: A New Approach to the Bioethical Problems of Infectious Disease.” Co-authored with Mark Tausig, Sree Subedi, and Janardan Subedi. In *Sociology of Health and Illness*, Vol. 28, No. 6, September 2006, pp. 839-849. Reprinted in *The View from Here: Bioethics and the Social Sciences*, ed. by Raymond De Vries, Leigh Turner, Kristina Orfali, and Charles Bosk, Blackwell, 2007, pp. 167-178.

“The Ethics of Dangerous Discovery.” In *Cambridge Quarterly of Healthcare Ethics*, Special Section on Bioethics and Armed Conflict—Guidelines to Prevent Malevolent Use of Biomedical Research, Vol. 15, No. 4, Fall 2006, pp. 444-447.

“Universal Norms and Conflicting Values.” In *Developing World Bioethics*, Vol. 5, No. 3, September 2005, pp. 267-273.

“Democratic Defense Spending in an Age of Bioterrorism.” In *The American Journal of Bioethics*, Vol. 5, No. 4, July/August 2005, pp. 49-50.

“In That Case.” In *Journal of Bioethical Inquiry*, Vol. 1, No. 2, May 2005, p. 52.

“Ethics and Infectious Disease.” In *Bioethics*, Vol. 19, No. 3, June 2005, pp. 272-289. Reprinted in *Ethics and Infectious Disease*, ed. by Michael J. Selgelid, Margaret P. Battin and Charles B. Smith, Oxford, UK: Blackwell, 2006, pp. 3-19; *The Bioethics Reader: Editors Choice*, a collection of the best essays published during the past 20 years in the Blackwell journals *Bioethics* and *Developing World Bioethics*, ed. by Ruth Chadwick, Helga Kuhse, Willem A. Landman, Udo Schuklenk, and Peter Singer, Oxford, UK: Blackwell, 2007; and *The Ethics of Public Health, Volume I*, ed. by Michael D. Freeman, Ashgate, 2010; ; *Bioethics: An Anthology*, 3rd Edition, ed. by Helga Kuhse, Udo Schuklenk, and Peter Singer, Walden, MA: Wiley-Blackwell, 2016, pp. 555-564.

“Standards of Care and Clinical Trials.” In *Developing World Bioethics*, Vol. 5, No. 1, 2005, pp. 55-72. Available (free) at <http://www3.interscience.wiley.com/cgi-bin/fulltext/118715309/PDFSTART>. Reprinted (in Portuguese translation) in *Ética na Pesquisa: experiência de treinamento em países sul-africanos*, ed. by Debora Diniz, Dirce Guilhem, Udo Schuklenk, Brasilia: Letras Livres, 2005, pp. 104-129; and in *Ética em Pesquisa: experiência de treinamento em países sul-africanos* [2nd Ed.], ed. by Debora Diniz, Dirce Guilhem, Andréa Sugai, Udo Schuklenk, Brasilia: Letras Livres and University of Brazil Press, 2008, pp. 101-124.

“Bioterrorism and Smallpox Planning: Information and Voluntary Vaccination.” In *Journal of Medical Ethics*, Vol. 30, No. 6, 1 December 2004, pp. 558-560. Available (free) at <http://jme.bmjournals.com/cgi/reprint/30/6/558>.

“¿El Aborto para la Prevención de las Imperfecciones Humanas?” In *Daimon*, Vol. 31, January - April 2004, pp. 115-130. (Spanish translation of “Eugenic Abortion, Moral Uncertainty and Social Consequences,” below.)

“Ethics and Eugenic Enhancement.” In *Poiesis and Praxis: International Journal of Ethics of Science and Technology Assessment*, Vol. 1, No. 4, 5 June 2003, pp. 239-261.

“Smallpox Revisited?” In *The American Journal of Bioethics*, Vol. 3, No. 1, InFocus, March 2003, available (free) at <http://www.bioethics.net/articles/smallpox-revisited/>.

“Eugenic Abortion, Moral Uncertainty, and Social Consequences.” In *Monash Bioethics Review*, Vol. 20, No. 2, April 2001, pp. 26-42.

“Neugenics?” In *Monash Bioethics Review*, Vol. 19, No. 4, October 2000, pp. 9-33.

Book Chapters (in addition to reprints listed above)

“Ethical Challenges in the Prevention and Treatment of Tuberculosis in the Context of Low-and-Middle Income Countries.” Co-authored with Diego S. Silva. Forthcoming in *Oxford Handbook of Public Health Ethics*, ed. by Jeffrey Kahn, Nancy Kass, and Anna Mastroianni.

“Ethics of Infectious Disease Control.” In *International Encyclopedia of Public Health*, 2nd Edition, ed. by Stella Quah. San Diego: Elsevier, 2017, pp. 11-16, Volume 3.

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Goodbye Normal Gene—Confronting the Genetic Revolution, ed. by Gabrielle O'Sullivan, Evelyn Sharman, and Stephanie Short. Sydney: Pluto Press, 1999. In *The Australian Health Consumer*, Autumn/Winter 2000, pp. 43-44.

Editorial Boards, etc

4/13 - pres Editorial Board member, *Accountability in Research*, Taylor and Francis

10/12 - 12/16 Associate Editor, *Journal of Medical Ethics*

1/12- pres Co-Editor, *Monash Bioethics Review*

2111 - 2012 Peer Review Committee Member, Canadian Institutes of Health Research (CIHR) *Population and Public Health Ethics Casebook*. See: <http://www.cihr.ca/e/44006.html>

7/10 - pres Editor, Public Health Ethics Analysis Book Series, Springer. See: <http://www.springer.com/series/10067>

5/09 - pres Editorial Board member and (since 11/08) Review Board member, *International Encyclopedia of Ethics*, ed. by Hugh LaFollette, Wiley-Blackwell. See: <http://www.hughlafollette.com/IEE.htm>

1/08 - pres Editorial Board member, *Health and Human Rights: An International Journal*, François-Xavier Bagnoud Center for Health and Human Rights, Harvard

10//07 - pres Editor, Practical Ethics and Public Policy Book Series, ANU E Press. See: <http://epress.anu.edu.au/titles/cappe.html>

6/07 - pres Associate Editor, Biotechnologies, *Studies in Ethics, Law and Technology*, Berkeley-Electronic-Press

5/07 - pres Editorial Board member, *Public Health Ethics*, Oxford University Press

4/07 - 6/09 Associate Editor, Biosecurity, Biosurveillance and Infectious Diseases, *Journal of Bioethical Inquiry*, Springer

7/01 - pres Section Editor, Economic Issues, *Developing World Bioethics*, Blackwell

Consultation, etc.

- 12-13/10/2107: Participant, World Health Organization (WHO) Meeting on “Big Data and AI for Achieving UHC: An International Consultation on Ethics,” Miami.
- 2-3/10/2017: Participant, World Health Organization (WHO) Informal Consultation on Antimicrobial Resistance and Ethics, Geneva, Switzerland
- 19-20/7/2017: Participant, Ethical Design of Vaccine Trials in Emerging Infections Workshop, Keble College, University of Oxford. Cosponsored by the Wellcome Trust, CEPI, the MIDAS Center for Communicable Disease Dynamics and the Department of Global Health and Population at the Harvard T.H. Chan School of Public Health, and King's College London.
- 23-24/2/2017: Participant (and session chair), WHO Scoping Meeting on Ethics of Vector-Borne Diseases, Geneva, Switzerland
- 18-20/10/2016: Participant, "Symposium on Export Control of Emerging, Biotechnologies," convened by James Martin Centre for Nonproliferation Studies (Middlebury Institute of International Studies) and International Biosecurity and Prevention Forum (of the FBI), Monterey, California. Findings published here: <http://www.nonproliferation.org/op26-findings-from-the-2016-symposium-on-export-control-of-emerging-biotechnologies/>
- 9-10/2016: Review/commentary on Statewide Biobank Policy and associated Consent Form(s), Directive for Office for Health and Medical Research at the New South Wales (NSW) Ministry of Health.
- 9/2016: Review/commentary on WHO draft "Policy on use and sharing of data collected in Member States by the World Health Organization outside the context of public health emergencies".
- 6/2016 - 11/2016: Member of the World Health Organization (WHO) International Health Regulations (2005) Emergency Committee on Zika Virus and Observed Increase in Neurological Disorders and Neonatal Malformations (and thus Advisor to Director General of WHO). Participation in 3rd Committee Meeting on 14/6/2016 (3rd meeting, see: <http://www.who.int/mediacentre/news/statements/2016/zika-third-ec/en/>); 1/9/2016 (4th meeting, see: <http://www.who.int/mediacentre/news/statements/2016/zika-fourth-ec/en/>); 18/11/2016 (5th meeting, see: <http://www.who.int/mediacentre/news/statements/2016/zika-fifth-ec/en/>)
- 6-7/42015: Participant, Zika Ethics Consultation, Pan American Health Organization (PAHO) (Regional Office for the Americas of the World Health Organization), Washington D.C., and subsequent contribution to Meeting Report. For Meeting Report, see:

http://iris.paho.org/xmlui/bitstream/handle/123456789/28425/PAHO_KBR16002_eng.pdf?sequence=1&isAllowed=y

- 9/2015 - 3/2017: Member, World Health Organization TB Ethics Guidance Expert Group.
- 22-25/11/15: Host/Co-Organiser/Session Chair/Participant, WHO Meeting on “Developing Guidance on Ethical Issues in Epidemics, Monash University, Prato/Italy. Subsequent contribution to WHO Guidance Document.
- 8/2015 - 2/2016: Contracted by US National Institutes of Health (NIH) to write White Paper on Gain-of-Function Research Ethical Analysis for US National Science Advisory Board for Biosecurity (NSABB) as part of “deliberative process” called for during relevant research “pause” imposed by US Government. Presented findings at NSABB meetings on 28/9/2015 and 7/1/2016—and participated in relevant National Academies of Sciences public meeting on 10-11/3/2016 in Washington D.C.. For White Paper see: <https://link.springer.com/article/10.1007/s11948-016-9810-1>
- 25-26/5/2015: Participant, WHO/Cost Action meeting on “Developing Ethics Guidelines for Public Health Response During Epidemics, Including the Conduct of Related Research”, Dublin City University, Ireland.
- 13/5/2015: Participant, WHO First Consultation on Ebola Biobanking, Geneva.
- 11-12/5/2015: Participant, WHO Ebola R&D Summit, Geneva.
- 19-20/2/2015: WHO Temporary Advisor, Curriculum Development Workshop on Ethics in Implementation Research, organised by the World Health Organization (WHO) and the UNICEF/UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases (TDR), Geneva.
- 13-14/11/2014: Participant, First Regional Forum of WHO Collaborating Centres in the Western Pacific, WHO Regional Office, Manila (Philippines). For meeting report, see: http://iris.wpro.who.int/bitstream/10665.1/10911/3/RS_2015_GE_20_PHL_eng.pdf
- 29-30/9/2014: Participant, WHO Consultation: “Beyond Phase 1 Trials, What Could be the Clinical and Regulatory Pathway for Ebola Vaccines? Objectives and Key Design Elements for Phase 2 and 3 Trials of Ebola Vaccines.” Gave presentation on “Ethics Perspective on Proposed Emergency Use of Vaccine in Affected Countries in Parallel with Phase 2 Clinical Trials.” Geneva.
- 4-5/9/2014: Participant, WHO Consultation on Potential Ebola Therapies and Vaccines, Geneva. For WHO statement, see: <http://www.who.int/mediacentre/news/statements/2014/ebola-therapies-consultation/en/>
- 21/8/2014: Participant, Médecins Sans Frontières (MSF) Medical Meeting on the Use of Experimental Treatments for Ebola Patients in MSF.
- 8/2014 - 3/2016: Member, WHO Ebola Ethics Working Group. Participated in WHO Consultation

On Potential Ebola Therapies and Vaccines Working Group Pre-meeting on 3/9/2014, Geneva. Participated in Working Group meeting on Ethical Issues Related to Study Design for Trials on Therapeutics on 20-21/10/2014, Geneva; for meeting summary see: http://apps.who.int/iris/bitstream/10665/137509/1/WHO_HIS_KER_GHE_14.2_eng.pdf?ua=1. Contributed to Report on "Ethics of Use of Convalescent Whole Blood and Convalescent Plasma During the Ebola Epidemic in West Africa" (from 10/14); see: http://apps.who.int/iris/bitstream/10665/161912/1/WHO_HIS_KER_GHE_15.1_eng.pdf

- 11/8/2014: Advisor to WHO Panel on "Ethical Considerations for Use of Unregistered Interventions for Ebola Viral Disease (EVD)" (and thus Advisor to Director General of WHO). For WHO summary see: <http://who.int/mediacentre/news/statements/2014/ebola-ethical-review-summary/en/>. For Meeting Report see: <http://www.who.int/csr/resources/publications/ebola/ethical-considerations/en/>
- 8/2014 - pres: Advisor to the WHO International Health Regulations (2005) Emergency Committee regarding Ebola (and thus Advisor to Director General of WHO). Participated in meetings on 6-7/8/2014 (see: <http://www.who.int/mediacentre/news/statements/2014/ebola-20140808/en/>); 16-21/9/2014 (see: <http://www.who.int/mediacentre/news/statements/2014/ebola-2nd-ihr-meeting/en/>); 22/10/2014 (see: <http://www.who.int/mediacentre/news/statements/2014/ebola-3rd-ihr-meeting/en/>); 20/1/2015 (see: <http://www.who.int/mediacentre/news/statements/2015/ebola-4th-ihr-meeting/en/>); 9/4/2015 (see: <http://who.int/mediacentre/news/statements/2015/ihr-ec-ebola/en/>); 2/7/2015 (6th meeting, see: <http://www.who.int/mediacentre/news/statements/2015/ihr-ebola-7-july-2015/en/>); 1/10/2015 (see: <http://www.who.int/mediacentre/news/statements/2015/ihr-ebola-7th-meeting/en/>); 15/12/2015 (see: <http://www.who.int/mediacentre/news/statements/2015/ihr-ebola-8th-meeting/en/>); 29/3/2016 (see: <http://www.who.int/mediacentre/news/statements/2016/end-of-ebola-pheic/en/>).
- 7/2014: Contribution to revisions of ethics chapter in WHO's *Guidelines for Surveillance of Drug Resistance in Tuberculosis*.
- 14/2014 - 8/2017: Member, WHO Ethical Issues in Public Health Surveillance Guideline Development Group. Co-organisation of, and participation in, Meeting on Ethical Issues in Public Health Surveillance: Developing and International Framework, Brocher Foundation in Hermance (Geneva) 26-27/5/2014. In 6/2014, appointed co-chair of "Framing" working group. Host/Co-Organiser, Meeting of Working Group Leaders of the Guideline Development Group, Monash Prato Centre (Italy) 9-10/6/2015. Participated in informal meeting on "Guidelines on Ethics

of Public Health Surveillance" in Edinburgh, Scotland on 14/6/2016 and small-group guideline finalisation meeting in Geneva on 3-4 Oct 2016.

- 9/2013 - pres: Member, Scientific Committee, Brocher Foundation, Hermance (Geneva), Switzerland
- 5/2013 - 11/2014: Member, Clinical Ethics Committee, Monash Health (formerly Southern Health), Monash Medical Centre
- 2013: Member, NHMRC (National Health and Medical Research Council, Australia) Working Group on Dual Use Research
- 26-28/2/2013: Participation in World Health Organization (WHO) Meeting on "Dual-Use Research of Concern (DURC)", Geneva, Switzerland
- 1/2013 - pres: Expert Consultation with Ethics and Health Team of World Health Organization (WHO) on ethical aspects of placebo controlled clinical trials.
- 17-18/12/2012: Participation in workshop on H5N1 transmissibility research, US Government, Department of Health and Human Services, Washington DC.
- 6/12 - 8/17 Member, Board of Directors, International Association of Bioethics
- 2011 - 2013: Médecins Sans Frontières, Operation Center Amsterdam, "Ethics Consultation Project".
- 2011 - 2016: Member of WHO Working Group on Ethical Issues in Research and Surveillance: Epidemics, Pandemics and Public Health Crisis. Authored 3 modules (on Distinction Between Public Health Practice and Research; Circumstances Where Common Good Outweighs Autonomy in Context of Public Health Surveillance; and Moral Theories and Frameworks for Public Health Emergencies) for relevant training manual; see: http://apps.who.int/iris/bitstream/10665/196326/1/9789241549349_eng.pdf?ua=1
- 7/11 - 3/12: Member of Ethics Sub-Group of WHO Strategic Advisory Group of Experts on Immunization (SAGE) Working Group on Vaccination in Humanitarian Emergencies.
- 5/11 - pres: Médecins Sans Frontières, Ethics Review Board Member.
- 2008 - 2010 Member of WHO Task Force on "Addressing Ethical Issues in TB Control Programmes". Co-authored background paper on "Diagnosis and Treatment". Co-author of final document "Guidance on Ethics of Tuberculosis Prevention, Care and Control", published Dec. 2010, available here: http://whqlibdoc.who.int/publications/2010/9789241500531_eng.pdf
- 2008 - 2010 Member of WHO Strategic Advisory Group of Experts on Immunization (SAGE) Working Group on H5N1 vaccine. Authored chapter on Ethical Considerations in Report on *Use of Licensed H5N1 Influenza Vaccines in the Interpandemic Period* (published here: http://www.who.int/immunization/sage/SAGE_H5N1_26Mayb.pdf).

- 6/09 - 2010 World Health Organization (WHO) Project on Life Science Research and Global Health. Authored Ethics Framework and contributed to development of Self-Assessment Tool in “Responsible Life Sciences Research for Global Health Security: A Guidance Document”, published 2010, available here:
http://whqlibdoc.who.int/hq/2010/WHO_HSE_GAR_BDP_2010.2_eng.pdf
- 6/09 Contribution to ethics chapter in WHO's *Guidelines for Surveillance of Drug Resistance in Tuberculosis*, Fourth Edition, 2009, pp. 21-22. See:
http://whqlibdoc.who.int/publications/2009/9789241598675_eng.pdf
- 2007 - 2009 Member, Ethics Advisory Group, International Union Against Tuberculosis and Lung Disease.
- 3/06 - 6/07 Member of Expert Working Group on “Isolation, Quarantine, Border Control, and Social-Distancing Measures” in WHO project on “Ethical Issues in Pandemic Influenza Planning”.
- 11/05 - 11/06 Principal Researcher and co-author of Centre for Applied Philosophy and Public Ethics’ (CAPPE’s) consultancy/report on “Ethical and Philosophical Aspects of the Dual-Use Dilemma in the Biological Sciences” for the National Security Science and Technology Unit, Commonwealth Department of Prime Minister and Cabinet, Australia.

Fellowships and other Awards

6/17 - 3/09: Funded to hold Brocher Workshop on "Invisible Epidemics: Ethics and Interventions for Asymptomatic Carriers of Infection" in November 2018. Award includes hosting of event, provision of accommodation and catering, plus 6000 CHF for travel of participants, by the Brocher Foundation, Hermance (Geneva), Switzerland.

2009: Research Fellowship, 3 month visit to the Brocher Foundation, Hermance (Geneva), Switzerland.

2007: Research Fellowship, 6 month visit to the Brocher Foundation, Hermance (Geneva), Switzerland. Also attached to the Institute for Biomedical Ethics, Faculty of Medicine, University of Geneva, under a “Boursier d’Excellence”—i.e. Excellency Scholarship.

2004: Finalist, 2004 Mark S. Ehrenreich Prize in Healthcare Ethics Research, for paper “On Ethics and Drug Resistance”

Recent Research Grants

2016, Monash University Faculty of Arts and Faculty of Engineering Interdisciplinary Research Seed Funding Scheme, “Ethical Issues in Commercialisation of Stem Cell Therapies.” M Selgelid and L Meagher. Role: Co-Chief Investigator. Funding \$20,000.

Project Summary: Although stem cell research has been a central topic of bioethical debate during the 21st century, the majority of attention has focused on the moral status of embryos. Though commercialisation of stem cell technologies raises numerous distinct ethical issues, these have received far less attention and/or remain largely unresolved. This project will thus identify and review (the state of debate regarding) the primary ethical issues associated with the commercialisation of stem cell science and technology—ultimately resulting in (1) publication of a relevant review article (inter alia highlighting issues in need of additional/future research) and (2) development of (an) externally funded research project(s) on the most important unresolved issues in need of additional/future.

2015, US National Institutes of Health (NIH) Research Contract, Gain of Function Research Ethical Analysis White Paper.

Project Summary: In 2014 the administration of US President Barack Obama called for a “pause” on funding (and relevant research with existing US Government funding) of GOF experiments involving influenza, SARS, and MERS viruses in particular. With announcement of this pause, the US Government launched a “deliberative process” regarding risks and benefits of GOF to inform future funding decisions—and the US National Science Advisory Board for Biosecurity (NSABB) was tasked with making recommendations to the US Government on this matter. As part of this deliberative process the National Institutes of Health (NIH) commissioned this Ethical Analysis White Paper, requesting that it provide (1) review and summary of ethical literature on GOF, (2) identification and analysis of existing ethical and decision-making frameworks relevant to (i) the evaluation of risks and benefits of GOF, (ii) decision-making about the conduct of GOF studies, and (iii) the development of US policy regarding GOF (especially with respect to funding of GOF), and (3) development of an ethical and decision-making framework that may be considered by NSABB when analyzing information provided by GOF risk-benefit assessment, and when crafting its final recommendations (especially regarding policy decisions about funding of GOF in particular).

2014-2015, Monash-Warwick Alliance Seed Fund Scheme, “Ethics of Public Health Security.” With Professor Tom Sorell (Warwick) as co-principle-investigator; and with Justin Oakley (Monash) and John Guelke (Warwick) as co-applicants. Funding AU\$22,500 + £8,821

Project Summary: Collaborative research, network building, and fund-raising in security ethics and public health ethics—e.g., pandemics, vaccination programs, public health surveillance, bioterrorism, emergency response.

2012-2016, NHMRC Centre of Research Excellence (CRE), ‘Tuberculosis Control: From Discovery to Public Health Practice and Policy.’ Warwick Britton et al. Role: Associate Investigator. Funding \$2,498,845

Project Summary: Control and, ultimately, the elimination of one of the world’s major infectious diseases, TB, is a key goal of the WHO and is captured in the United Nations’ Millennium Development Goals (Goal 6). This multidisciplinary CRE in TB control will strengthen and extend existing national, regional and international networks and provide a major resource for training, strategic research and translation into policy. There will be a specific focus on the neglected area

of TB in children and the emerging problem of drug resistant TB.

2009-2013, The Wellcome Trust, Enhancement Award in Biomedical Ethics, 'Building a Sustainable Capacity in Dual-Use Bioethics.' M Dando, S Whitby, J Whitman, B Rappert, A Kelle, J Sture, M Selgelid. Role: Co-applicant. Funding £349,742 (£29,000 for ANU)

Project Summary: Professor Malcolm Dando and colleagues (Dr. Jim Whitman, Dr. Simon Whitby & Dr. Judi Sture) at the University of Bradford's Department of Peace Studies, together with Dr Brian Rappert in the Department of Sociology and Philosophy, University of Exeter, Dr Alexander Kelle in the Department of European Studies, University of Bath, and Michael Selgelid, Australian National University (ANU) Canberra, are collaborating on research into the use of the products of biological research in warfare and bioterrorism. Their aim is to enable more bioethical research into so-called 'dual-use' of the life sciences, and help develop policies and practices that will prevent the misuse of knowledge generated through biomedical research. It is an emerging research area, and the Enhancement Award will help provide career opportunities for young researchers, including doctoral students who will begin their studies in autumn 2009, increase long-term capacity, engage practising life scientists with these issues, and provide a basis for developing effective policies in the future.

2009-2011, Australian Research Council, Discovery Project, 'Infectious Diseases, Security and Ethics.' C Enemark and M Selgelid. Role: Chief Investigator. Funding \$260,000.

Project Summary: The emergence and spread of deadly infectious diseases increasingly pose health, economic, security, and ethical challenges for Australia and the world. This project investigates links between infectious diseases, national security and human ethics. The project aims: (1) To identify and analyse national security and ethical issues associated with government responses to five infectious disease challenges (pandemic influenza, SARS, plague, TB and HIV/AIDS); (2) To develop ethically acceptable policy recommendations for control of diseases with security implications. Expected outcomes include multidisciplinary workshops, an edited book and a co-authored book. This project will benefit Australia directly by: Promoting greater understanding within the community of the national security and ethical implications of infectious disease threats; Recommending policies for responding in ways that achieve better public health, national security and human rights outcomes for Australians; Addressing the National Research Priority of Promoting and Maintaining Good Health by contributing to the Priority Goal of strengthening Australia's social and economic fabric; Training a future Australian expert via the PhD process, providing him or her with specific knowledge and generic academic skills; Creating national and international linkages between academics and non-academic professionals.