

Curriculum Vitae

Michael J. Selgelid

Qualifications

PhD and MA in Philosophy, University of California, San Diego, 2001. Title of Thesis *Neugenics: Genetically-Informed Reproductive Decision Making*. Supervisor: Philip Kitcher.

Completed undergraduate philosophy curriculum, University of California, Irvine, 1993.

BSE in Biomedical Engineering, Duke University, 1988.

Appointments

2006 - pres

The Australian National University, Canberra

Senior Research Fellow

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

Research Program Manager—Ethical Issues in Biotechnology (from 12/2009)

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

Postgraduate Coordinator (from 4/2009)

Centre for Applied Philosophy and Public Ethics (CAPPE)

School of Philosophy, Research School of Social Sciences

Deputy Director (from 9/2008)

National Centre for Biosecurity (See: <http://biosecurity.anu.edu.au/index.php>)

Institute for Population Health

Visiting Fellow (6/2006 - 5/2008)

Menzies Centre for Health Policy

1/2009 - pres

Charles Sturt University, Canberra

Adjunct Research Fellow, Centre for Applied Philosophy and Public Ethics
(CAPPE)

2006 - pres

University of Sydney, Australia

Honorary Lecturer, Centre for Values, Ethics and the Law in Medicine (VELIM),
Faculty of Medicine. See: <http://www.cvelim.org/>

2004-2006

University of Sydney, Australia

Sesquicentenary Lecturer in Bioethics, Centre for Values, Ethics and the Law
in Medicine (VELIM); and Unit for History and Philosophy of Science

2003

University of the Witwatersrand, Johannesburg, South Africa

Lecturer, Department of Philosophy

2001-2002

University of the Witwatersrand, Johannesburg, South Africa

Research Interests

History and Philosophy of Science. Science and Ethics. Bioethics. Public Health Ethics. Ethics and Infectious Disease. Ethics and Genetics. Biosecurity and Bioterrorism. The Dual-Use Dilemma. Synthetic Biology. Health Care in Developing Countries. Tuberculosis. Intellectual Property Rights. Interdisciplinary Approaches to Ethics.

Publications

Books

Neugenics: Genetically-Informed Reproductive Decision Making. (Manuscript/proposal under review.)

Ethics of Dual Use Science and Technology. Co-authored with Seumas Miller. Cambridge University Press. Work in progress; under contract.

Health Rights. Edited by Michael J. Selgelid and Thomas Pogge. Ashgate, 2009. ISBN 0 7546 2794 2. Work in progress; under contract.

Ethical and Philosophical Consideration of the Dual-Use Dilemma in the Biological Sciences. Co-authored with Seumas Miller. 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. Oxford, UK: Blackwell, 2006. Edited by Michael J. Selgelid, Margaret P. Battin, and Charles B. Smith. 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. Sydney: VELIM; 2004, 98pp. ISBN 1 84687 716. Edited by Chris Jordens, Ian Kerridge, and Michael J. Selgelid.

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

"The Mousepox Experience: An Interview with Ronald Jackson and Ian Ramshaw on Dual-Use Research." co-authored (1st author) 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.

"Professionalization as a Governance Strategy for Synthetic Biology", co-authored (2nd author) 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.

"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.

"Improving Global Health: Counting Reasons Why." In *Developing World Bioethics*, Vol. 8, No. 2, 2008, pp. 115-125.

"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, 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/iuatld/ijtlld/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. Available (free) at

<http://www.synbiosafe.eu/uploads///pdf/Tale%20Two%20Studies%20Final%20Printed.pdf>

"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; and in *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. Forthcoming in *The Ethics of Public Health, Volume I*, ed. by Michael D. Freeman, Ashgate, 2010.

"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/journal/j_articles.php?aid=91.

"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)

"Bioterrorism." Forthcoming in *Encyclopedia of Applied Ethics*, Second Edition, ed. by Ruth Chadwick. Elsevier, 2111.

"Infectious Diseases." Forthcoming in *Encyclopedia of Applied Ethics*, Second Edition, ed. by Ruth Chadwick. Elsevier, 2111.

"Justice, Infectious Disease, and Globalization." Forthcoming in *Global Health Ethics*, ed. by Gillian Brock and Solomon Benatar. Cambridge University Press.

"Populations, Patients, Germs and Genes: Ethics Of Genomics and Informatics in Communicable Disease Control." Co-authored (2nd author) with Gwendolyn L. Gilbert. In *Infectious Disease Informatics*, ed. by Vitali Sintchenko. Dordrecht, NE: Springer, 2010, pp. 397-418.

"Načelo dvojne uporabnosti v biotehnologiji : izziv ali prepreka?" (Principle of dual-use dilemma in biotechnology: challenge and obstacle?) Co-authored (3rd author) with Peter Raspor and Seumas Miller. V: RASPOR, Peter (ed.). Posvetovanje Pomen biotehnologije in mikrobiologije za prihodnost, 2. in 3. December 2009, Ljubljana. *BIA in biotehnologija na slovenski biotehnoški poti*, (Pomen biotehnologije in mikrobiologije za prihodnost, 07). Ljubljana: Biotehniška fakulteta,

Oddelek za živilstvo, Katedra za biotehnologijo, mikrobiologijo in varnost živil: BIA, 2009, str. 51-60. [COBISS.SI-ID [3725688](#)]

"Infectious Disease." In *A Companion to Bioethics*, ed. by Helga Kuhse and Peter Singer. Malden, MA: Wiley-Blackwell, 2009, pp. 430-440.

"Dual-Use Dilemmas, National Regulations and Ethics." In *Dimensiones Éticas de las Regulaciones en Salud*, ed. by Fernando Lolas. Santiago, Chile: Centro Interdisciplinario de Estudios en Bioética - Universidad de Chile Programa de Bioética - OPS/OMS (Pan American Health Organization/World Health Organization), 2009, pp. 277-286. Available (free) at: <http://www.paho.org/Spanish/BIO/regulacion.pdf>

"Pharmaceutical Access and Availability: Ethics and the Problem of Patents." Co-authored with Eline M. Sepers. In *Ethics and Health in the Global Village: Bioethics, Globalization and Human Rights*, ed by Emilio Mordini. Rome: CIC Edizioni Internazionali, 2008, pp. 193-209.

"Afterword: Advancing Posthuman Enhancement Dialogue." In *Medical Enhancement and Posthumanity*, ed. by Bert Gordijn and Ruth Chadwick. Dordrecht, NE: Springer, 2008, pp. 237-240. Available (free) at: <http://www.springerlink.com/content/x82824/back-matter.pdf>.

"Ethics of Infectious Disease Control." In *International Encyclopedia of Public Health*, Volume 2, ed. by Harard K. Heggenhougen and Stella R. Quah. San Diego: Elsevier, 2008, pp. 486-493.

"TB Matters More." Co-authored with Paul Kelly and Adrian Sleight. In *International Public Health Policy and Ethics*, ed. by Michael Boylan. Dordrecht, NE: Springer, 2008, pp. 233-247.

"Bioterrorism and the Dual-Use Dilemma." Co-authored with Seumas Miller. In *Terrorism and Counter-Terrorism: Ethics and Liberal Democracy*, Seumas Miller. Blackwell, 2008, pp. 181-208.

"Ethical Conflict and Biological Weapons." In *Physicians at War: The Dual Loyalties Challenge*, ed. by Fritz Allhoff. Springer, 2008.

"Ethics and the Dual-Use Dilemma in the Biological Sciences." Co-authored with Seumas Miller. In *Physicians at War: The Dual Loyalties Challenge*, ed. by Fritz Allhoff. Springer, 2008.

"Research Priorities, Profits, and Public Goods: The Case of Drug Resistance." In *Business Ethics of Innovation*, ed. by Gerd Hanekamp. Berlin: Springer, 2007, pp. 27-38.

"Bioterrorism, Society, and Health Care Ethics." In *Principles of Health Care Ethics*, Second Edition, ed. by Richard Ashcroft, Angus Dawson, Heather Draper, John McMillan. Wiley, 2007.

"Patents, Profits, and the Price of Pills: Implications for Access and Availability." Co-authored with Eline M. Sepers. In *The Power of Pills: Social, Ethical and Legal Issues in Drug Development, Marketing and Pricing Policies*, ed. by Jillian Clare Cohen, Patricia Illingworth, and Udo Schuklenk. London: Pluto Press, 2006, pp. 153-163.

"Introduction." Co-authored with Margaret P. Battin and Charles B. Smith. In *Ethics and Infectious Disease*, ed. by Michael J. Selgelid, Margaret P. Battin and Charles B. Smith. Oxford, UK: Blackwell, 2006, pp. xi-xix.

Commentary on Lawrence J. Schneiderman's "Medical Ethicists and Judges at the Bedside: The Case of Robert Wendland." In *Policing Virtue? Proceedings of the 7th Annual Seminar of the Centre for Values, Ethics and the Law in Medicine*. Sydney: VELIM; 2004, 98pp. ISBN 1 84687 716. Edited by Chris Jordens, Ian Kerridge, and Michael J. Selgelid.

Letters to Editor

"The Dual-Use Dilemma—Michael J. Selgelid Replies." In *The Hastings Center Report*, Vol. 37, No. 5, Sept/Oct 2007, pp. 6-7.

"Do Patents Prevent Access to Drugs for HIV in Developing Countries?" Letter to the Editor, co-authored with Udo Schuklenk, in *JAMA*, Vol. 287, No. 7, 20 February 2002, p. 842.

Edited Journal Special Issues

Special Edition of *Journal of Bioethical Inquiry* on Infectious Disease Ethics: Limiting Liberty in Contexts of Contagion, Vol. 6, No. 2, June 2009. Guest co-edited with Angela R. McLean, Nimalan Arinaminpathy, and Julian Savulescu. See: <http://www.springerlink.com/content/pr61q332178p/?p=f8e3867487ef47159b803a7e08436a17&pi=0>

Thematic Edition of *Poiesis and Praxis: International Journal of Ethics of Science and Technology Assessment* on Infectious Disease, Vol. 3, No. 4, Dec. 2005. Guest edited.

Special Edition of *Bioethics* on Ethical Issues in Infectious Disease, Vol 19. No. 4, August 2005. Guest co-edited with Margaret P. Battin.

Special Edition of *Developing World Bioethics* on Distribution of Resources, Vol. 4, No. 1, May 2004. Guest co-edited with Darrel Moellendorf.

Editorials

"Infectious Disease Ethics: Limiting Liberty in Contexts of Contagion." Co-authored with Angela R. McLean, Nimalan Arinaminpathy, and Julian Savulescu. In *Journal of Bioethical Inquiry*, Vol. 6, No. 2, June 2009, pp. 149-52.

"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.

"Focus on Infectious Disease." In Thematic Edition of *Poiesis and Praxis* on Infectious Disease, Vol. 3, No. 4, Dec. 2005, pp. 227-228. (Guest edited, above.)

"From the Guest Editors." Co-authored with Margaret P. Battin. In *Bioethics*, Vol. 19, No. 4, August 2005, pp. iii-vii. (Guest co-edited Special Edition, above.)

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

"From the Guest Editors." Co-authored with Darrel Moellendorf. In *Developing World Bioethics*, Vol. 4, No. 1, May 2004, pp. iii-vi. (Guest co-edited Special Edition, above.)

Abstracts and Conference Proceedings

"Justice and the Distribution of Research Resources. Co-authored with Yen-Chang Chen. In *International Journal of Tuberculosis and Lung Disease*, Vol. 12, No. 11, November 2008, p. S38.

"Ethics and Tuberculosis: Mapping the Terrain." Co-authored with Paul Kelly and Adrian Sleigh. In *International Journal of Tuberculosis and Lung Disease*, Vol. 11, No. 11, November 2007, p. S41.

"Sociological Model of Illness and Bioethics: Addressing Issues of Inequality and Infectious Disease." Co-authored with Mark Tausig, Janardan Subedi, and Sree Subedi. *Paper presented at the annual meeting of the American Sociological Association, Montreal Convention Center, Montreal, Quebec, Canada, Aug 11, 2006.* Available at:

http://www.allacademic.com/meta/p104038_index.html

Newspaper Article

"What We Should Fear Most is the Fear of Swine Flu itself" *Crikey*, 28 April 2009, available at: <http://www.crikey.com.au/2009/04/28/what-we-should-fear-most-is-the-fear-of-swine-flu-itself/>. Reprinted in *EACME Newsletter*, Number 22-August 2009, pp. 3-4, European Association of Centres of Medical Ethics, available at: www.eacmeweb.com.

"The Killer we Left to Roam." In *The Guardian*, 23 March 2008, available at: http://commentisfree.guardian.co.uk/michael_selgelid/2008/03/a_killer_we_left_to_roam.html

Newsletter Articles

"Influenza Vaccination of Health Workers—Ethical Obligations." *Influenza Bulletin*, European Scientific Working group on Influenza (ESWI), April 2009, No. 25, pp. 1-2. Available at: www.eswi.org.

"Tuberculosis and Globalisation: Ethical Issues." Co-authored with Paul Kelly and Adrian Sleigh. *Biosecurity News*, Newsletter of the National Centre for Biosecurity, The Australian National University, June 2007, pp. 8-9. Available (free) at: <http://biosecurity.anu.edu.au/pdf/Biosecurity%20News%20Issue%201.pdf>.

"Ethics, Science and Terrorism." *Science Alliance*, The Newsletter of The University of Sydney's Science Alliance, Newsletter 25, September 2004.

Review Essay

"Ethics, Economics, and AIDS in Africa." On *AIDS in the Twenty-First Century: Disease and Globalization*, by Tony Barnett and Alan Whiteside. New York: Palgrave Macmillan, 2002; and *The Moral Economy of AIDS in South Africa*, by Nicoli Nattrass. Cambridge, UK: Cambridge University Press, 2004. Published in *Developing World Bioethics*, Vol. 4, No. 1, May 2004, pp. 96-105.

Book Reviews

Bioethics and Armed Conflict: Moral Dilemmas of Medicine and War, by Michael L. Gross. Cambridge, MA: The MIT Press, 2006. In *Minerva*, Vol. 46, No. 3, September 2008, pp. 381-384.

Pathologies of Power: Health, Human Rights, and the New War on the Poor, by Paul Farmer. Los Angeles: University of California Press, 2003. In *Developing World Bioethics*, Vol. 7, No. 2, August 2007, pp. 114-117.

Scientific Integrity: Text and Cases in Responsible Conduct of Research (Third Edition), by Francis L. Macrina. Washington, D.C.: ASM Press, 2005. In *Immunology and Cell Biology*, Vol. 84, 2006, p. 411.

Development as Freedom, by Amartya Sen. New York: Anchor Books, 1999. In *Developing World Bioethics*, Vol. 3, No. 1, May 2003, pp. 96-99.

Cosmopolitan Justice, by Darrel Moellendorf. Boulder, Colorado: Westview Press, 2002. In the *South African Journal of Philosophy*, Vol. 21, No. 2, July 2002.

Picturing Tropical Nature, by Nancy Leys Stepan. Ithica, NY: Cornell University Press, 2001. In *The Journal of Environment and Development*, Vol. 11, No. 2, June 2002, pp. 195-198.

The Limits and Lies of Human Genetic Research, by Jonathan Michael Kaplan. New York: Routledge, 2000. In *Monash Bioethics Review*, Vol. 20, No.4, October 2001, pp. 46-48.

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.

Other

Consultation

- | | |
|-------------------|--|
| 6/09 - 12/09 | World Health Organization (WHO) Project on Life Science Research and Global Health. Authored Ethics Framework for Guidelines Document on Responsible Life Science Research. |
| 2008 - 2009 | Member of WHO Task Force on "Addressing Ethical Issues in TB Control Programmes". Co-authored background paper on "Diagnosis and Treatment". |
| 2008 - 2009 | Member of WHO Strategic Advisory Group of Experts on Immunization (SAGE) Working Group on H5N1 vaccine. Authored chapter on Ethical Considerations in Report on <i>Use of Licensed H5N1 Influenza Vaccines in the Interpandemic Period</i> (published here: http://www.who.int/immunization/sage/SAGE_H5N1_26Mayb.pdf). |
| 2007 - 2009 | Member, Ethics Advisory Group, International Union Against Tuberculosis and Lung Disease. |
| 23/2/09 - 24/2/09 | Participant, Consultation to Review Ethical Issues Associated with HIV Testing in the Context of Surveillance Surveys, WHO Department of HIV/AIDS and UNAIDS Division of Evidence Monitoring and Policy (Geneva). |
| 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.
- 2004 Contributed to Centre for Values, Ethics and the Law in Medicine's commentary to the Australian Research Council regarding the University of Notre Dame's proposal for Medical School accreditation in Australia.

Editorial Boards

Editorial Board Member and Review Board Member, *International Encyclopedia of Ethics*, ed. by Hugh LaFollette, Wiley-Blackwell

Editorial Board Member, *Health and Human Rights: An International Journal*, François-Xavier Bagnoud Center for Health and Human Rights, Harvard

Editor in Chief, Book Series in Practical Ethics and Public Policy, ANU E Press

Associate Editor, Biotechnologies, *Studies in Ethics, Law and Technology*, Berkeley-Electronic Press

Editorial Board Member, *Public Health Ethics*, Oxford University Press

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

Section Editor, Economic Issues, *Developing World Bioethics*, Blackwell

Conference Organisation

Organiser, Intensive Course in Public Health Ethics, 40th Union World Conference on Lung Health of the International Union Against Tuberculosis and Lung Disease (The Union), 4 December 2009, Cancun, Mexico

Co-organiser, with Andreas Reis, Symposium on Addressing Ethical Issues in TB control - the Work of the WHO Task Force, 40th Union World Conference on Lung Health, December 2009, Cancun, Mexico

Co-organiser, with David Miller, Symposium on Social Equity and Ethical Care: Critical Determinants of Lung Health, 39th Union World Conference on Lung Health, 20 October 2008, Paris

Co-organizer, with Julian Savulescu and Angela McLean, Interdisciplinary Conference on Ethics and Infectious Disease: Limiting Liberty in Contexts of Contagion, Jointly held by James Martin School of the 21st Century, Program on Ethics of the New Biosciences and Institute for Emerging Infections, University of Oxford; and Centre for Applied Philosophy and Public Ethics (CAPPE), The Australian National University. Held at Oxford on 4/7/2007.

Fellowships and Awards

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

2008: Australian National University (ANU) Media Award—Right Place, Right Time 2008: Most Opportune Timing for a Media Engagement—for Op-Ed in *The Guardian*, “A Killer we Left to Roam”, 23 March 2008, available at:

http://commentisfree.guardian.co.uk/michael_selgelid/2008/03/a_killer_we_left_to_roam.html

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”

2002/3: Research Fellowship, 3 month visit to Philosophy Department, University of Murcia, Spain. Support provided by Fundacion Seneca, Murcia.

2001-2003: University Research Committee Postdoctoral Fellowship, Division of Bioethics, School of Clinical Medicine, University of the Witwatersrand, Johannesburg, South Africa.

2003: Research Fellowship, 3 month visit, European Academy (Europäische Akademie) for the Study of Consequences of Scientific and Technological Advance, Bad Neuenahr-Ahrweiler GmbH, Germany

Recent/Select Presentations

2009 “Justice, Germs, and Globalisation”. Keynote Address, National Conference of Public Health Association of New Zealand, Dunedin.

2009 “Ethical and Legal Implementation”. The first FBI conference on Synthetic Biology: “Building Bridges Around Building Genomes”; organized by FBI Weapons of Mass Destruction Directorate, US Department of Health and Human Services, US Department of State, and the American Association for the Advancement of Science; San Francisco, California.

2009 “Dual-Use Dilemmas and National Regulations”. International Conference: Health Regulation Ethics, Pan American Health Organization (PAHO) and World Health Organization (WHO), Santiago, Chile.

2009 “Dual Use Life Science Research—An Ethical Dilemma”. International Relations and Security Studies Seminar Series (IRSS), Department of Peace Studies, University of Bradford, UK.

2009 “Sinful Science”. Public Lecture, Dana Centre, The Science Museum, London, UK. See: <http://www.danacentre.org.uk/events/2009/02/19/475>

2008 “Moderate Pluralism and Public Health Ethics: Threshold Questions”. Public Health Ethics Workshop, Joint Centre for Bioethics, University of Toronto.

2008 “Diagnosis and Treatment.” Paper by Lee B. Reichman and Michael J. Selgelid. 1st Meeting of the WHO Task Force on Addressing Ethical Issues in TB Control Programmes: A Focus on MDR/XDR Response; Joint Centre for Bioethics, University of Toronto. (Presented by both.)

2008 “Justice and the Distribution of Research Resources.” Paper by Michael J. Selgelid and Yen-Chang Chen. 39th World Conference on Lung Health of the International Union Against Tuberculosis and Lung Disease, Paris. (Presented by Selgelid.)

2008 "Ethics, Germs, and Globalisation." Special Seminar, Uehiro Centre for Practical Ethics, University of Oxford.

2008 "A Moderate Pluralist Approach to Public Health and Political Philosophy." Political Theory and Public Health, Workshops in Political Theory, Manchester Metropolitan University.

2008 "Ethics and Tuberculosis: Social Distancing Measures." Major Session on Ethics of TB Prevention, Control and Treatment. 9th World Congress of Bioethics, International Association of Bioethics, Rijeka, Croatia.

2008 "The Ethical and Legal Importance of Scientific Codes of Conduct Regarding Dual Use Research." Gordon Cain Conference: The Dilemmas of Dual Use, Chemical Heritage Foundation, Philadelphia.

2007 "Pandethics." Crossing Borders: Legal, Security and Health Perspectives on Pandemic Influenza, Faculty of Law, University of Sydney.

2007 "Ethics and Tuberculosis: Mapping the Terrain." Paper by Michael Selgelid, Paul Kelly, and Adrian Sleight. 38th World Conference on Lung Health of the International Union Against Tuberculosis and Lung Disease (The Union), Cape Town, South Africa. (Presented by Selgelid.)

2007 "Improving Global Health: Counting Reasons Why." 21st European Conference on Philosophy of Medicine and Health Care: Ethics, Philosophy and Public Health, Cardiff, UK.

2007 "Dangerous Science and Censorship." James Martin Advanced Research Seminar, Faculty of Philosophy, University of Oxford.

2007 "Ethics and Biosecurity." Opening Ceremony, National Centre for Biosecurity, The Australian National University, Canberra.

2006 "Towards a Workable Method for Assessing the Health Impact of New Medications." Major Session on Access to Life-saving Drugs, 8th World Congress of Bioethics, International Association of Bioethics, Beijing, China.

2006 "Sociological Model of Illness and Bioethics: Addressing Issues of Inequality and Infectious Disease." Paper by Mark Tausig, Michael Selgelid, Janardan Subedi, and Sree Subedi. American Sociological Association, 101st Annual Meeting, Montreal, Canada. (Presented by Tausig.)

2006 "Ethics, Bioterrorism, and Censorship." Society for Applied Philosophy's Annual Conference 2006—Philosophy of Public Health Manchester University, UK.

2006 "Bioterrorism and the Censorship of Science." Bioethical Implications of Globalisation Processes (BIG) workshop on Globalisation and New Epidemics: Ethics, Security and Policy Making, Organized by DG Research, European Commission—Science and Society, Brussels.

2005 "Ethical Issues Arising from the Dual-Use Dilemma." Workshop on Ethical and Philosophical Aspects of the Dual-Use Dilemma, jointly held by the Centre for Applied Philosophy and Public Ethics (CAPPE) and the Australian Government Department of Prime Minister and Cabinet, The Australian National University, Canberra.

2005 "Research Priorities, Profits, and Public Goods: The Case of Drug Resistance." Autumn Conference 2005: Business Ethics of Innovation, European Academy (Europäische Akademie) for the Study of Consequences of Scientific and Technological Advance, Bad Neuenahr-Ahrweiler GmbH, Schloss Engers - Engers, Koblenz, Germany.

2005 "Bioterrorism and Censorship of Science: Who Knows What's Dangerous?" Invisible Enemies: The Cultural Meaning of Infection and the Politics of "Plague"; International Conference, University of Zurich, Switzerland.

2005 "Patents, Profits, and the Price of Pills: Implications for Access and Availability." 3rd Pugwash Workshop on Science, Ethics and Society: Ethical Dimensions of HIV/AIDS in Developing Countries. Ajaccio, Corsica, France.

2004 "Bioterrorism and the Censorship of Science." 10th Conference of the Australasian Bioethics Association, in conjunction with the 9th Annual Conference of the Australian Institute of Health Law & Ethics, Sydney.

2004 "On Ethics and Drug Resistance." 7th World Congress of Bioethics, International Association of Bioethics, Sydney.

2004 "Ethics and HIV Third Party Notification: Consequences and Social Research." Australasian Association for History, Philosophy, and Social Studies of Science Conference, Newcastle, Australia.

2004 "Twenty-First Century Smallpox?" Medicine at the Border: The History, Culture and Politics of Global Health; plenary; International Conference, Sydney.

2003 "Ethical Issues." Workshop for Drafting Regulations and Guidelines for Section on Human Cloning in the National Health Bill, Department of Health, Pretoria, South Africa.

2002 "Ethics and Infectious Disease." 6th World Congress of Bioethics, International Association of Bioethics, Brasilia, Brazil.

Current Grants

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.

2009-2111, 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.

2009-2010, European Commission, 7th Framework, 'Ethical and Regulatory Challenges Raised by Synthetic Biology.' J Weckert, M Selgelid, S Miller, and J Grossman; with European partners: TU Delft and universities in Germany and Italy. Role: Chief Investigator. Funding €531,850.

Project Summary: This project addresses the ethical, legal and social implications of the emerging field of synthetic biology, with a special focus on biosafety and biosecurity and on the notions of life. The project will discern relevant ethical issues in close collaboration with the synthetic biology community, and analyse public debates around these ethical issues. The current ethical and regulative frameworks existing in synthetic biology will be reconstructed and assessed for their ability to deal adequately with existing and newly emerging ethical issues in synthetic biology. On that basis, challenges for current regulatory and ethical frameworks will be identified and recommendations for dealing with these challenges will be formulated targeted at three relevant groups: 1) the synthetic biology community, 2) EU policy makers and 3) NGOs/the public.

2008, BUPA Foundation, Specialist Research Funding, Health Services Research: New roles for health professionals in addressing public health needs. 'Just Rules for Incentivizing Pharmaceutical Innovations and for Disseminating their Benefits.' T Pogge, J Whitworth, D Shroeder, and M Selgelid. Role: Chief Investigator. Funding £157,386.

Project Summary: In line with the BUPA Foundation's theme "New roles for health professionals in addressing public health needs," we seek to work out further a plan for amending the present global (TRIPS) regime for rewarding pharmaceutical innovations. Success in doing so could represent the most innovative approach to delivering health care to poor and marginalized patients in the 21st century and involves medical doctors, medical ethicists, social scientists, statisticians, economists. Our "patent-2" scheme would be complementary to existing monopoly patents, leaving innovators

free to choose a patent of either kind. Patent-2 holders would not have veto powers over the reproduction of their inventions which would thus be available at competitive market prices without delay. Patent-2 holders would instead be rewarded, out of public funds, in proportion to the impact of their invention on the global burden of disease (GBD). A successful specification of the reform idea requires definition of an appropriate metric for the GBD, determination of a monetary reward per unit of GBD reduction, ways of collecting sufficient data to assess the GBD *ex post* and to make plausible baseline GBD projections some years into the future, rules for allocating specific GBD reductions among contributing patent-2 holders, adequate mechanisms for curbing corruption and gaming, an internationally acceptable treaty-backed schedule for funding the rewards, and specific rules for the phase-in period. If these specifications can be shown to be possible, the reform idea is politically realistic as it brings substantial benefits to pharmaceutical innovators, national health systems, and poor patients worldwide.

2008-2009, SSHRC of Canada, Standard Research Grants Scheme 'Biosecurity and Synthetic Biology: Contested Governance.' L Weir. Role: International collaborator. Funding \$84,000 (Canadian).

Project Summary: This project examines how synthetic biology is being integrated into biosecurity planning and how its social and ethical governance is being contested by scientists, government officials and civil society organizations. Infectious disease control in public health is currently being integrated into national defence as a matter of "biosecurity". Biosecurity links public health with national defence in unprecedented ways, transforming civilian health into an object of strategic importance to be protected by national authorities against new and re-emerging infectious diseases and the deliberate release of pathogens. This project focuses on a case study of synthetic biology, a new field in molecular genetics that aims to design and build new biological parts and systems and to redesign existing biological systems. The investigation examines how synthetic biology is being integrated into biosecurity planning and how its governance is being contested by scientists, government officials and civil society organizations.

2008-2012, ARC Centre of Excellence for Policing and Security. L Mazerolle et al.. Role: Associate Investigator. Funding \$10,000,000.

Project Summary: World events since September 2001 terrorist attacks highlight the urgent need for high quality research on the transnational and state-centric threats and major crime issues that challenge Australia's security. The Centre will bring together a critical mass of world-class scholars to generate new knowledge about the origins, motivations and dynamics of crime and security threats. Our programs will promote significant transformations in crime control, crime prevention and security policies and guide evidence-based reform in the practices of policing and security. The scale, focus and depth of our research will play a vital role in promoting a safer future for Australians. We will create an internationally regarded Centre of Research Excellence that will help to better prevent crime and safeguard Australia. The research conducted in the Centre will strengthen communities and enhance Australia's security role in the Asia-Pacific region and more globally. The research will help policy-makers, police and security leaders to better understand how they might reduce the number and seriousness of threats to Australia and diminish the number of security and crime vulnerabilities. The benefits of the Centre's research will accrue to local communities and enhance Australia's economic, social and cultural wellbeing.

2005-2009, NHMRC Centre of Clinical Research Excellence—Infection and Bioethics in Haematological Malignancies. T Sorrell, K Bradstock, I Kerridge, G Gilbert, D Gottlieb, C MacIntyre, D Dwyer, R Ankeny. Role: Associate Investigator. Funding \$2,000,000.

Project Summary: The Centre for Clinical Research Excellence - Infection and Bioethics in Haematological Malignancies (CCRE-IBHM) is an NHMRC funded, multi-centre research collaboration aimed at improving outcomes in malignant haematology and bone marrow transplant recipients, with a focus on bioethics and infection. The CCRE consists of 4 primary research sites affiliated with the University of Sydney, including the Western Clinical School at Westmead Hospital, The Children's Hospital Westmead, the National Centre for Immunisation Research and the Centre for Values Ethics and Law in Medicine. The research collaboration will develop and evaluate surveillance methods, new diagnostics and interventions, such as vaccination and cell-based therapies, to improve infection-related outcomes in malignant haematology and bone marrow transplantation. Bioethics will underpin all major research themes.