Bibliography

BOOKS, MONOGRAPHS, JOURNAL ARTICLES AND INTERNET MATERIALS

23andMe Inc. https://www.23andme.com/.

The 1000 Genomes Project Consortium (2010), 'A Map of Human Genome Variation from Population-Scale Sequencing', *Nature*, 467 (7319), 1061–73.

The 1000 Genomes Project, 'About the 1000 Genomes Project: Project Overview', http://www.1000genomes.org/about.

The 1000 Genomes Project, 'Data Release Policy', http://www. 1000 genomes.org/data#DataReleasePolicy.

The 1000 Genomes Project, 'How to Access 1000 Genomes Data', http:// www.1000genomes.org/data#DataAccess.

The 1000 Genomes Project, 'Use of the Project Data, Presentations and Publications, and Authorship', http://www.1000genomes.org/data# DataUse.

Abbott, F. (2009), 'Innovation and Technology Transfer to Address Climate Change: Lessons from the Global Debate on Intellectual Property and Public Health', International Centre for Trade and Sustainable Development Platform on Climate Change, Trade Policies and Sustainable Energy, Issue Paper No. 24, June.

Abbott, K., G. Marchant and D. Sylvester (2008), 'A Framework Convention for Nanotechnology', *Environmental Law Reporter*, **38**, 10507–17.

Aboriginal Bush Traders, http://www.aboriginalbushtraders.com/.

Advisory Council on Intellectual Property (2010), *A Review of Enforcement of Plant Breeder's Rights*, Canberra: Commonwealth of Australia, http:// www.acip.gov.au/library/ACIP_PBR_Enforcement_Final_Report.pdf.

African Centre for Biosafety (2009), *Patents, Climate Change and African Agriculture: Dire Predictions*, September, http://www.biosafety-info.net/ file_dir/17225619254ac3067689f7a.PDF.

Agovic, Amina (2010), 'Patent Morality – the Little Battler' in Niklas Bruun (ed.), *In Search of New IP Regimes*, Oy Nord Print Ab: IPR University Center.

Ahn A.C., M. Tewari, C.-S. Poon and R.S. Phillips (2006), 'The Limits of Reductionism in Medicine: Could Systems Biology Offer an Alternative?' *Public Library of Science Medicine,* **3** (6), 709–13.

Akcomak, I.S. and B. ter Weel (2008), 'Social Capital, Innovation and Growth: Evidence from Europe', *European Economic Review*, **53**, 544–67.

Alberts, Bruce (2008), *Molecular Biology of the Cell*, 5th edn, San Francisco: Garland Science.

Altman, J. and P. Whitehead (2003), 'Caring for Country and Sustainable Indigenous Economic Development: Opportunities, Constraints and Innovation', *CAEPR Working Paper* 20/2003, http://caepr.anu.edu.au/Publications/WP/2003WP20.php.

Alves, R. and I. Rosa (2007), 'Biodiversity, Traditional Medicine and Public Health: Where Do They Meet?' *Journal of Ethnobiology and Ethnomedicine*, **3**, 14, 1–19.

Amaral P.P., M.E. Dinger, T.R. Mercer and J.S. Mattick (2008), 'The Eukaryotic Genome as an RNA Machine', *Science*, **319**, 1787–9.

American Civil Liberties Union (2009), 'BRCA: Genes and Patents', 27 May, http://www.aclu.org/free-speech/brca-genes-and-patents#12.

American Medical Association, Code of Medical Ethics, http://www.ama-assn.org/ama1/pub/upload/mm/369/ceja_3i07.pdf.

Anderlik, M.R. (2003), 'Commercial Biobanks and Genetic Research: Ethical and Legal Issues', *American Journal of Pharmacogenomics*, **3**, 203–15.

Andrews, L. (2005), 'Harnessing the Benefits of Biobanks', *Journal of Law, Medicine, and Ethics*, **33**, 22–30.

Andrews, L. and J. Paradise (2005), 'Gene Patents: The Need for Bioethics Scrutiny and Legal Change', *Yale Journal of Health Policy Law and Ethics*, **5**, 403–12.

Angrist, M. and R.M. Cook-Deegan (2006), 'Who Owns the Genome?' *The New Atlantis*, **11** (Winter), 87–96.

Aoki, Keith (2008), *Seed Wars: Controversies and Cases on Plant Genetic Resources and Intellectual Property*, Durham, NC: Duke University Press.

Apple Retail Store, http://www.apple.com/au/ipodnano/.

Arnold, David (1996), *The Problem of Nature: Environment, Culture and European Expansion*, London: Blackwell.

Association of University Technology Managers (2007), *In the Public Interest: Nine Points to Consider in Licensing University Technology*, http://www.autm.net/source/NinePoints/ninepoints_endorsement.cfm.

Auden, W.H. (1940), '1 September 1939', *Another Time*, London and New York: Random House.

Australian Department of Sustainability, Environment, Water, Population and Communities, *Environment Protection and Biodiversity Conservation Act 1999: Frequently Asked Questions*, http://www.environment.gov.au/epbc/publications/epbc-act-fact-sheet.html.

Australian Government (2007), *Australian Nanotechnology: Capability and Commercial Potential*, 3rd edn, Invest Australia, http://www.investaustralia.gov.au/media/IR_Nano_NanotechReport.pdf.

Australian Human Rights Commission (2010), *The Community Guide to the UN Declaration on the Rights of Indigenous Peoples*, Sydney: The Australian Human Rights Commission.

Australian Law Reform Commission (2003), *Gene Patenting and Human Health*, *Issues Paper 27*, Sydney: Australian Commonwealth, http://www.austlii.edu.au/au/other/alrc/publications/issues/27/.

Australian Law Reform Commission (2004), *Gene Patenting and Human Health*, *Discussion Paper 68*, Sydney: Australian Commonwealth, http://www.austlii.edu.au/au/other/alrc/publications/dp/68/.

Australian Law Reform Commission (2004), *Genes and Ingenuity*, *Report 99*, Sydney: Australian Government.

Australian Law Reform Commission and Australian Health Ethics Committee (2003), *Essentially Yours, the Protection of Human Genetic Information in Australia*, *Report No 96*, Sydney: Australian Government.

The Australian Research Centre of Excellence for Plant Energy Biology (2009), *Genes to Energy: Annual Report*, Crawley: The University of Western Australia, iv, http://www.plantenergy.uwa.edu.au/aboutus/reports/ARCCPEB-2009.pdf.

Bagley, M. (2004), 'Patent First, Ask Questions Later: Morality and Biotechnology in Patent Law', *William & Mary Law Review*, **45**, 469–547.

Baker, D., G. Church, J. Collins, D. Endy, J. Jacobson, J. Keasling, P. Modrich, C. Smolke and R. Weiss (The Bio Fab Group) (2006), 'Engineering Life: Building a FAB for Biology', *Scientific American*, June, 34–9.

Baldwin, C.Y. and E. von Hippel (2009), 'Modeling a Paradigm Shift: From Producer Innovation to User and Open Collaborative Innovation', *Harvard Business School Working Paper 10–048*, http://ssrn.com/abstract=1502864.

Ball, Philip (2004), *Critical Mass: How One Thing Leads to Another*, London: William Heinemann.

Ballardini, R.M. (2008), 'Software Patents in Europe: The Technical Requirement Dilemma', *Journal of Intellectual Property Law and Practice*, **3** (9), 563–75.

Barnes, S.B. and J.A. Dupré (2008), *Genomes and What to Make of Them*, Chicago: University of Chicago Press.

BASF Corporation (2009), *Annual Report: Economic, Environmental and Social Performance*, http://www.report.basf.com/2009/en/servicepages/downloads/files/BASF_Report_2009.pdf?cat=b.

Baslar, Kemal (1998), *The Concept of the Common Heritage of Mankind in International Law*, The Hague: Martinus Nijhoff Publishers.

Bavikatte, K. and H. Jonas (2010), 'Bio-cultural Community Protocols Enforce Biodiversity Benefits: A Selection of Cases and Experiences', *Endogenous Development Magazine*, **6**, 4–6, http://www.compasnet.org/afbeeldingen/Magazines/ED%20Magazine%206/Magazine_ED6.html.

Bawa, R. (2007), 'Nanotechnology Patent Proliferation and the Crisis at the U.S. Patent Office', *Albany Law Journal of Science & Technology*, **17** (3), 699–736.

Bayer AG (2008), Chairman's Letter, *Annual Report*, http://www.annualreport2008.bayer.com/en/chairmans-letter.aspx.

Bayer AG (2009), *Annual Report*, Leverkusen: Bayer AG, 109, http://www.bayer.com/en/Bayer-Annual-Report-2009.pdfx.

Bayer AG, (2008) 'The Second Green Revolution: Climate Change', Leverkusen: Bayer AG, http://www.bayercropscience.com/bcsweb/cropprotection.nsf/id/EN_Climate_Change.

Bayer CropScience (2008), 'Defying the Consequences of Climate Change: Tried-and-tested insecticide makes plants more resistant to stress', 23 October, http://www.bayercropscience.com/BCSWeb/CropProtection.nsf/id/EN_2008-NST-042_Wolfgang_Thielert.

Beal, J. (2005), 'Silence is Golden: Can RNA Interference Therapeutics Deliver? *Drug Discovery Today*, **10** (3), 169–72.

Becerra, X. (2010), Representative Becerra Applauds Decision on Gene Patenting, http://becerra.house.gov/index.php?option=com_content&view=article&id=412%3Arep-becerra-applauds-court-decision-on-gene-patenting&catid=3%3Apress-releases&Itemid=26.

Bechtel, William (2006), *Discovering Cell Mechanisms: The Creation of Modern Cell Biology*, New York: Cambridge University Press.

Bell, E. and S. Smith (2010), 'Future of Food Now a Global Battle', ABC News, April, http://www.abc.net.au/news/events/gene-wars/future-of-food.htm.

Bentley, D. (1996), 'Genomic Sequence Information Should Be Released Immediately and Freely in the Public Domain', *Science*, **274** (5287), 533–4.

Bently, Lionel and Brad Sherman (2009), *Intellectual Property*, 3rd edn, Oxford: Oxford University Press.

Bentwich, I. et al. (2005), 'Identification of Hundreds of Conserved and Nonconserved Human MicroRNAs', *Nature Genetics*, **37**, 766–70.
Benyus, Janine (1997), *Biomimicry: Innovation Inspired by Nature*, New York: Harper Perennial.
Berrier Jr, E.F. (1995), 'Global Patent Must Be Reduced', *IDEA*, **36**, 473–99.
Bertone, P. et al. (2004), 'Global Identification of Human Transcribed Sequences with Genome Tiling Arrays', *Science*, **306**, 2242–6.
Beyleveld, D. and R. Brownsword (2002), 'Is Patent Law part of the EC Legal Order? A Critical Commentary on the Interpretation of Article 6(1) of Directive 98/44/EC in Case C-377/98', *Intellectual Property Quarterly*, **1**, 97–110.
Biobanking and Biomolecular Resources Research Infrastructure, http://www.bbmri.eu/.
The BioBricks Foundation, 'FAQ', http://www.biobricks.org/FAQ.php.
The BioBricks Foundation, 'Our Goals', http://www.biobricks.org/Our_Goals.php.
The BioBricks Foundation, 'The BioBricks Foundation', http://www.biobricks.org/index.php.
Biodesic (2010), 'Company', http://www.biodesic.com/Company.html.
Birney, E. and T. Hudson et al. (2009), 'Prepublication Data Sharing', *Nature,* **461** (7261), 168–70.
Boel, M.F. (2007), 'Farming's Role in Mitigating Climate Change', Member of the European Commission responsible for Agriculture and Rural Development, Press Release, 3 July.
Boldt, Joachim and Oliver Müller (2008), 'Newtons of the Leaves of Grass: Certain Ethical Implications of Synthetic Biology Research Go Beyond Those of Genetic Engineering', *Nature Biotechnology*, **26** (4), 387–9.
Bostanci, A. and J. Calvert (2008), 'Invisible Genomes: The Genomics Revolution and Patenting Practice', *Studies in the History and Philosophy of the Biological and Biomedical Sciences*, **39**, 109–19.
Bourdieu, Pierre (2004), *Science of Science and Reflexivity*, Cambridge: Polity Press.
Boyle, James (2008), *The Public Domain: Enclosing the Commons of the Mind*, New Haven, CT and London: Yale University Press.
Bran, M. (2010), 'Gas Hub Threatens Gubinge: Traditional Owner', ABC Rural, 24 December, http://www.abc.net.au/rural/nt/content/201012/s3101215.htm?site=kimberley.
Brennan, P. (2007), 'Plant Variety Intellectual Property Rights in a Changing and Challenging Environment', 20 Years of Plant Breeder's Rights Symposium, Canberra, 8 June, http://www.cropgeninternational.com/media/PBR_Future_070506_v2.pdf.

Brewer, John and Susan Staves (eds) (1996), *Early Modern Conceptions of Property*, London: Routledge.
Brody, B. (2006), 'Intellectual Property and Biotechnology: The U.S. Internal Experience – Part I', *Kennedy Institute of Ethics Journal*, **16**, 1–37.
Brody, B. (2006), 'Intellectual Property and Biotechnology: The U.S. Internal Experience – Part II', *Kennedy Institute of Ethics Journal*, **16** (2), 105–28.
Brooke, John Hedley (1991), *Science and Religion: Some Historical Perspectives*, Cambridge: Cambridge University Press.
Brown, Michael F. (2003), *Who Owns Native Culture?* Cambridge, MA: Harvard University Press.
Brown, P. and K. Kleiner (1994), 'Patent Row Splits Breast Cancer Researchers', *New Scientist*, 44, 24 September.
Brush, S.B. (1993), 'Indigenous Knowledge of Biological Resources and Intellectual Property Rights: The Role of Anthropology', *American Anthropologist*, **95** (3), 653–71.
Bruun, Niklas (ed.) (2010), *In Search of New IP Regimes*, Oy Nord Print Ab: IPR University Center.
Bühler, M. (2009), 'RNA turnover and chromatin-dependent gene silencing', *Chromosoma,* **118**, 141–51.
Bullis, K. (2007), 'Key Nanotech Patents Licensed', *Technology Review*, 6 June, http://www.technologyreview.com/biomedicine/18829/.
Burd, A. (2007), 'Stem Cell Strategies in Burns Care', *Burns*, **33**(3), 282–91.
Burian, R.M. (2008), 'Is Molecular Genetics Becoming Less Reductionistic? Notes from recent case studies on mapping *C. elegans* and the discovery of microRNA', Invited Lecture, Institut d'histoire et de Philosophie des Sciences et des Techniques, Paris, 4 December.
Burk, D. (2000), 'Patenting Speech', *Texas Law Review*, **79**, 99–162.
Burk, Dan and Mark Lemley (2009), *The Patent Crisis and How the Courts Can Solve It*, Chicago and London: The University of Chicago Press.
Burns, L. (2009), 'You Are Our Only Hope: Trading Metaphorical "Magic Bullets" for Stem Cell Superheroes', *Theoretical Medicine and Bioethics*, **30**, 427–42.
California Institute of Technology 2010 iGEM Team (2010), 'Team:Caltech/Acknowledgments', http://2010.igem.org/Team:Caltech/Acknowledgments.
Calvert, J. (2007), 'Patenting Genomic Objects: Genes, Genomes, Function and Information', *Science as Culture*, **16** (2), 207–23.
Calvert, J. (2010), 'Synthetic Biology: Constructing Nature?' *The Sociological Review*, **58** (1), 95–112.

Calvert, J. and P. Joly (2011), 'How did the Gene Become a Chemical Compound? Shifting Ontologies of the Gene and the Patenting of DNA', *Social Science Information*, **50** (2), 157−77.
Cambon-Thomsen, A. (2003), 'Assessing the Impact of Biobanks', *Nature Genetics*, **34**, 25–6.
Campbell, A. (2007), 'The Ethical Challenges of Genetic Databases: Safeguarding Altruism and Trust', *King's Law Journal*, **18**, 227–46.
Canadian Biotechnology Advisory Committee (2002), *Patenting Of Higher Life Forms*, Ottawa: Canadian Biotechnology Advisory Committee, June.
Canadian Biotechnology Advisory Committee (2003), *Advisory Memorandum: Higher Life Forms and the Patent Act*, Ottawa: Canadian Biotechnology Advisory Committee, 24 February.
Canadian Biotechnology Advisory Committee (2006), *Human Genetic Materials, Intellectual Property, and the Health Sector*, Ottawa: Canadian Biotechnology Advisory Committee, http://cbac-cccb.ca/epic/internet/incbac-cccb.nsf/en/ah00578e.html.
Canadian Intellectual Property Office, *Manual of Patent Office Practice*, http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h_wr00720.html.
Cao, Q., R. Benton and S. Whittemore (2002), 'Stem Cell Repair of Central Nervous System Injury', *Journal of Neuroscience Research*, **68** (5), 501–10.
Carbone, J., E.R. Gold, B. Sampat, S. Chandrasekharan, L. Knowles, M. Angrist and R. Cook-Deegan (2010), 'DNA Patents and Diagnostics: Not a Pretty Picture', *Nature Biotechnology*, **28**, 784–91.
Carlson, Robert (2003), 'The Pace and Proliferation of Biological Technologies', *Biosecurity and Bioterrorism: Biodefense Strategy, Practice, and Science*, **1**, 203–14.
Carlson, Robert (2010), *Biology is Technology: The Promise, Peril, and New Business of Engineering Life*, Cambridge, MA and London: Harvard University Press.
Carney, J. (2009), 'Retreat From The Brink of Clarity: Why the Federal Circuit Got *In Re Bilski* Wrong, and What Can Be Done About It', *University of Illinois Journal of Law Technology and Policy*, 473–91.
CARTaGENE, http://www.cartagene.qc.ca/.
Carter, T. (2010), 'A Patent on Problems', *ABA Journal*, **96** (3), 7.
Casid, Jill H. (2005), *Sowing Empire: Landscape and Colonization*, Minneapolis: University of Minnesota Press.
Castanotto, D. and J.J. Rossi (2009), 'The Promises and Pitfalls of RNA-interference-Based Therapeutics', *Nature,* **457**, 426–33.

Castle, David (ed.) (2009), *The Role of Intellectual Property Rights in Biotechnology Innovation*, Cheltenham and Northampton, MA: Edward Elgar.

Caulfield, T., R. Cook-Deegan, F.S. Kieff and J. Walsh (2006), 'Evidence and Anecdotes: An Analysis of Human Gene Patenting Controversies', *Nature Biotechnology*, **24** (9), 1091–4.

ccMixter, http://ccmixter.org/about.

Center for International Environment and Development Studies (Noragric), Agricultural University of Norway and Nordic Gene Bank (2004), 'Study to Assess the Feasibility of Establishing a Svalbard Arctic Seed Depository for the International Community Prepared for the Ministry of Foreign Affairs and the Ministry of Agriculture', 14 September, http://www.regjeringen.no/Upload/LMD/kampanjeSvalbard/Vedlegg/Frohvelv_Study_to_assess.pdf.

Central Land Council, 'Project Principles and Special Purpose Permits', http://www.clc.org.au/onlinepermits/specialpurposeprinciples.aspx.

Central Land Council, 'Special Purpose Permit Application Form', http://www.clc.org.au/OnlinePermits/ApplicantDetails.aspx?0=Special.

Ceres Inc., http://www.ceres.net.

Ceres Inc., Intellectual Property, http://www.ceres.net/Technology/Tech-IP.html.

Chambers, J. (2002–3), 'Patent Eligibility of Biotechnological Inventions in the United States, Europe, and Japan: How Much Patent Policy Is Public Policy?' *George Washington International Law Review*, **34**, 223–46.

Chapman, A. (2009), 'The Ethics of Patenting Human Embryonic Stem Cells', *Kennedy Institute of Ethics Journal*, **19** (3), 261–88.

Chatterjee, A. (2004), 'Europe Struggles Over Software Patents', *IEEE Spectrum* (September), http://spectrum.ieee.org/at-work/innovation/europe-struggles-over-software-patents.

Chatzimarkakis, J. (2009), 'Getting an Appetite for Biotechnology', Viewpoint, *BBC News*, 24 February, http://news.bbc.co.uk/2/hi/sci/tech/7905567.stm.

Chen, H., M. Roco, X. Lin and Y. Lin (2008), 'Trends in Nanotechnology Patents', *Nature Nanotechnology*, **3**, 123–5.

Clapp, Jennifer and Doris Fuchs (eds) (2009), *Corporate Power in Global Agrifood Governance*, Cambridge, MA: MIT Press.

Clarkson, G. and D. Dekorte, (2006) 'The Problem of Patent Thickets in Convergent Technologies', *Annals of the New York Academy of Sciences*, **1093**, 180–200.

Climate Change, Agriculture and Food Security, Research, http://www.ccafs.cgiar.org/research.

Clinton, W. and T. Blair (2000), 'Joint Statement by President William Clinton and Prime Minister Tony Blair of the United Kingdom', 14 March, http://ipmall.info/hosted_resources/ippresdocs/ippd_44.htm.

Collier, Robert and Josephine Mutugu (2009), *Who Owns the Clean Tech Revolution? Intellectual Property Rights and International Cooperation in the U.N. Climate Negotiations*, Center for Environmental Public Policy, Goldman School of Public Policy, University of California, Berkeley, 26–27 October, http://energyandclimate.berkeley.edu/sites/default/files/collier-Who%20Owns%20the%20Clean%20Tech%20Revolution.pdf.

Collins, Francis (2010), 'Has the Revolution Arrived?' *Nature*, **464,** 674–5.

Collins, F., E. Green, A. Guttmacher and M. Guyer (2003), 'A Vision for the Future of Genomics Research', *Nature*, **422**, 835–47.

Collins, F., N. Morgan and A. Patrinos (2003), 'The Human Genome Project: Lessons from Large-Scale Biology', *Science*, **300** (5617), 11 April, 286–90.

Collins, K. (2010), 'Semiotics 101: Taking the Printed Matter Doctrine Seriously', *Indiana Law Journal*, **85**, 1379–443.

Commission of the European Communities (2009), 'The Role of European Agriculture in Climate Change Mitigation', 23 July, http://ec.europa.eu/agriculture/climate_change/sec2009_1093_en.pdf.

Conley, J.M. and R. Makowski (2003), 'Back to the Future: Rethinking the Product of Nature Doctrine as a Barrier to Biotechnology Patents', *Journal of the Patent and Trademark Office Society*, **85**, 301–34 (Part I), 371–98 (Part II).

The Consultative Group on International Agricultural Research, http://www.cgiar.org/.

The Consultative Group on International Agricultural Research Change Steering Team (2008), 'A Revitalized CGIAR – A New Way Forward: The Integrated Reform Proposal', http://www.cgiar.org/pdf/agm08/agm08_reform_proposal.pdf.

Cook-Deegan, R. (2001), 'Hype And Hope', *American Scientist*, **89**, 62.

Costa, F. (2008), 'Noncoding RNAs, Epigenetics and Complexity', *Gene*, **410** (1), 9–17.

Coulter, J. (1990), 'Parliamentary Debates', Australian Parliament, Senate, 22 August.

Coulter, Maureen (1991), *Property in Ideas: The Patent Question in Mid-Victorian Britain*, Kirksville: The Thomas Jefferson University Press.

The Council for Biotechnology (2008), 'Agricultural Biotechnology: Benefits for Biofuels and U.S. Energy Security', http://www.whybiotech.com/resources/briefs_benefitsforbiofuels.asp.

The Council for Biotechnology (2008), 'Agricultural Biotechnology: Benefits for Water Scarcity in the United States', http://www.whybiotech.com/resources/briefs_benefitsforwaterscarcity.asp.

Council of Canadian Academies (2008), *Small is Different: A Science Perspective on the Regulatory Challenges of the Nanoscale*, the Expert Panel on Nanotechnology, Ottawa: Council of Canadian Academies, http://www.scienceadvice.ca/en/assessments/completed/nanotechnology.aspx.

Cozzens, S. et al. (2010), 'Emerging Technologies: Quantitative Identification and Measurement', *Technology Analysis and Strategic Management*, **22** (3), 361–76.

Crane, Andrew and Dirk Matten (2004), *Business Ethics*, Oxford: Oxford University Press.

Creative Commons, http://creativecommons.org/about/.

Crichton, M. (2007), 'Patenting Life', *The New York Times*, 13 February.

Crosby, Alfred (1986), *Ecological Imperialism: The Biological Expansion of Europe, 900–1900*, Cambridge: Cambridge University Press.

CSIRO, 'Plants and Climate Change', http://www.csiro.au/science/pshy.html.

Cummings, Claire Hope (2008), *Uncertain Peril: Genetic Engineering and the Future of Seeds*, Beacon Press.

Curtin, C. (2010), 'When to Share', Genomeweb, May, http://webcache.googleusercontent.com/search?q=cache:y3_E1riwjCEJ:www.genomeweb.com/when-share+what+is+a+marker+paper+toronto+statement&cd=8&hl=en&ct=clnk&gl=us

Dakis, S. (2008), 'PBR Helping with Climate Change', *ABC News*, 27 August, http://www.abc.net.au/rural/sa/content/2006/s2348159.htm.

The Danish Council of Ethics (2004), 'The Ethics of Patenting Human Genes and Stem Cells', Copenhagen, 28 September.

Davis, Michael (2009), *Maintain and Strengthen your Culture: Handbook for Working with Indigenous Ecological Knowledge and Intellectual Property*, commissioned by the Natural Resource Management Board NT, Darwin, http://www.nrmbnt.org.au/files/iek/Handbook%20for%20Working%20with%20IEK%20&%20IP.pdf.

De Beer, J. (2007), 'Biotrespass', *Bulletin of Science Technology & Society*, **27** (4), 287–99.

Dean, Warren (1987), *Brazil and the Struggle for Rubber: A Study in Environmental History*, Cambridge: Cambridge University Press.

DeGiulio, J. (2010), '*The Genomic Research and Accessibility Act*: More Science Fiction than Fact', *Northwestern Journal of Technology and Intellectual Property,* **8**, 292–306.

Demaine, L.J. and A.X. Fellmeth (2002), 'Reinventing the Double Helix: A Novel and Nonobvious Reconceptualization of the Biotechnology Patent', *Stanford Law Review*, **55** (2), 303–462.
Department of Agriculture and Food (2009), 'Picking Gubinge – the Right Way', http://wn.com/Kakadu_plum.
Department of Agriculture, Fisheries and Forestry (2002–3), 'Ecologically Sustainable Development and Environmental Performance', in Annual Report, Canberra: Department of Agriculture, Fisheries and Forestry, 297, http://www.daff.gov.au/__data/assets/pdf_file/0012/5700/annual_report0203.pdf.
Department of the Environment, Water, Heritage, and the Arts (2008), 'Indigenous Knowledge Management Systems (Databases): Guide for Indigenous Communities', http://www.environment.gov.au/indigenous/publications/pubs/knowledge-management-guide.pdf.
Di Giorgio, F. et al. (2007), 'Non-cell Autonomous Effect of Glia on Motor Neurons in an Embryonic Stem Cell-Based ALS model', *Nature Neuroscience*, **10** (5), 608–14.
Dinwoodie, Graeme and Rochelle Cooper Dreyfuss (2006), 'Patenting Science: Protecting the Domain of Accessible Knowledge,' in Bernt Hugenholtz and Lucie Guibault (eds), *The Future of the Public Domain*, Amsterdam: Kluwer Law International, 191–221.
Doench, J.G. and P.A. Sharp (2004), 'Specificity of MicroRNA Target Selection in Translational Repression', *Genes and Development*, **18**, 504–11.
Dorries, H. Ulrich (2001), *Patentanspruche auf DNA-Sequenzen: ein Hindernis fur die Forschung? Anmerkungen zum Regierungsentwurf fur ein Gesetzzur Umsetzung der Richtlinie* 98/44/EG, MITT.
Dow (2008), 'Introduction to Dow's Position on Energy and Climate Change', http://www.dow.com/commitments/pdf/OurPosition_Eng Climate_FINAL.pdf.
Drahos, P. (1999), 'Biotechnology Patents, Markets and Morality', *European Intellectual Property Review*, **21** (9), 441–9.
Drahos, Peter and John Braithwaite (2002), *Information Feudalism: Who Owns the Knowledge Economy?*, London: Earthscan.
Drahos, Peter and Ruth Mayne (eds) (2002), *Global Intellectual Property Rights: Knowledge, Access, and Development*, New York: Palgrave Macmillan.
Drayton, Richard (2000), *Nature's Government: Science, Imperial Britain, and the 'Improvement' of the World*, Cambridge, MA: Harvard University Press.
Drexler, K. Eric (1986), *Engines of Creation: The Coming Era of Nanotechnology*, Garden City: Anchor Press/DoubleDay.

Drexler, K.E. (2004). 'Nanotechnology: From Feynman to Funding', *Bulletin of Science, Technology & Society*, **24** (1), 21–7.
Dreyfuss, R.C. (2004), 'Protecting the Public Domain of Science: Has the Time for an Experimental Use Defense Arrived?' *Arizona Law Review*, **46**, 457–72.
Du Mont, J. (2008), 'Trademarking Nanotechnology: Nano-Lies and Federal Trademark Registration', *AIPLA Quarterly Journal*, **36** (2), 148–78.
Duffy, J. (2009), 'Rules and Standards on the Forefront of Patentability', *William & Mary Law Review*, **51**, 609–53.
Dukes, Graham and Frederick Abbott (2009), *Global Pharmaceutical Policy: Ensuring Medicines for Tomorrow's World*, Cheltenham and Northampton, MA: Edward Elgar.
DuPont Australia (2006), 'Drought Tolerance a Target of New International Crop Research Agreement', Press Release, 6 April, http://www2.dupont.com/Media_Center/en_AU/australia_news/2006/article20060406.html.
DuPont, 'Statement on Climate Change', http://www2.dupont.com/Media_Center/en_US/position_statements/global_climate.html.
DuPont (2009), 'Biotechnology Can Address Global Mega Trends, DuPont Leader Says: Biotechnology Stewardship is Critical to Meeting Global Needs for Increased Food and Energy', BioJapan 2009, 7 October.
DuPont and EvoGene (2007), 'DuPont and Evogene Collaborate to Increase Drought Tolerance in Corn and Soybeans', Press Release, 30 October.
Dutfield, G. (2003), 'Should We Terminate Terminator Technology?' *European Intellectual Property Review*, **25** (11), 491–5.
Dutfield, Graham (2008), 'Turning Plant Varieties into Intellectual Property: The UPOV Convention', in Geoff Tansey and Tamsin Rajotte (eds), *The Future Control of Food: A Guide to International Negotiations and Rules on Intellectual Property, Biodiversity, and Food Security*, London: Earthscan, 27–47.
Dutfield, Graham (2009), *Intellectual Property Rights and the Life Science Industries: Past, Present and Future*, Singapore: World Scientific.
Dutra, T. (2011), 'Myriad, ACLU Battle Renewed in Fed. Cir. Oral Arguments with DOJ Joining the Fray', *Patent, Trademark & Copyright Journal*, **81**, 1–2.
Dyer, Gwynne (2010), *Climate Wars: The Fight for Survival as the World Overheats*, Melbourne: Scribe.
The Economist (1999), 'Drowning in Data', *The Economist*, 26 June, 97–8.
Edgerton, M. (2009), 'Increasing Crop Productivity to Meet Global Needs for Feed, Food, and Fuel', *Plant Physiology*, **149**, 7–13.

Editor (2010), 'Lagging Laws', *Nature Neuroscience*, **13** (1), http://www.nature.com/neuro/journal/v13/n1/full/nn0110–1.html.

Edwards, A.M., C. Bountra, D.J. Kerr and T.M. Willson (2009), 'Open Access Chemical and Clinical Probes to Support Drug Discovery', *Nature Chemical Biology*, **5**, 436–40.

Eisenberg, R. (1996), 'Public Research and Private Development: Patents and Technology Transfer in Government-Sponsored Research', *Virginia Law Review*, **82**, 1663–727.

Eisenberg, R. (1997), 'Structure and Function in Gene Patenting', *Nature Genetics,* **15**, 125–30.

Eisenberg, R. (2008), 'Noncompliance, Nonenforcement, Nonproblem? Rethinking the Anticommons in Biomedical Research', *Houston Law Review*, **45**, 1059–99.

Eisenberg, R. and R. Nelson (2002), 'Public vs. Proprietary Science: A Fruitful Tension', *Daedalus*, **131**, 89–101.

Elbashir, S.M., J. Harborth, W. Lendeckel, A. Yalcin, K. Weber and T. Tuschl (2001), 'Duplexes of 21±Nucleotide RNAs mediate RNA Interference in Cultured Mammalian Cells', *Nature,* **411**, 494–8.

Endy, D. (2005), 'Foundations for Engineering Biology', *Nature*, **438** (7067), 449–53.

Endy, D. (2009), 'Open Biotechnology and the BioBrick Public Agreement', http://openwetware.org/images/f/fd/Why_the_BPAv1.pdf.

Endy, D. (2010), 'Evidence to the Presidential Commission for the Study of Bioethical Issues, Synthetic Biology', Washington, DC, 8 July.

Endy, D. et al. (2010), 'The BioBrick™ Public Agreement: DRAFT Version 1a', http://dspace.mit.edu/bitstream/handle/1721.1/50999/BPA_draft_v1a.pdf?sequence=1.

ETC Group, 'BANG: Converging Technology', http://www.etcgroup.org/en/issues/bangconvergence.

ETC Group (2002), 'Patenting Elements of Nature', 25 March, http://www.etcgroup.org/upload/publication/220/01/nanopatentsgeno.rtf.pdf.

ETC Group (2003), *The Big Down: From Genomes to Atoms; Atomtech: Technologies Converging at the Nano-Scale,* Ottawa: ETC Group, 8, http://www.etcgroup.org/upload/publication/171/01/thebigdown.pdf.

ETC Group (2004), 'Down on the Farm: The Impact of Nano-scale Technologies on Food and Agriculture', Ottawa: ETC Group, http://www.etcgroup.org/upload/publication/80/02/etc_dotfarm2004.pdf.

ETC Group (2007), 'Press Release: Broad International Coalition Issues Urgent Call for Strong Oversight of Nanotechnology', 31 July, http://www.etcgroup.org/en/node/651.

ETC Group (2008), 'Svalbard's Doomsday Vault: The Global Seed Vault Raises Political/Conservation Debate', 28 February, http://www.etcgroup.org/en/materials/publications.html?pub_id=674.

ETC Group (2009), 'Who Will Feed Us? Questions for the Food and Climate Crises', *The ETC Group Communique*, November, Issue 102, 1, http://www.etcgroup.org/upload/publication/pdf_file/ETC_Who_Will_Feed_Us.pdf.

ETC Group (2010), *The Big Downturn: Nanogeopolitics*, Ottawa: ETC Group, http://www.etcgroup.org/upload/publication/pdf_file/nano_big4web.pdf.

ETC Group (2010), 'Gene Giants Stockpile Patents on "Climate-Ready" Crops in Bid to Become Biomassters', Press Release, 25 October, http://www.etcgroup.org/en/node/5220.

ETC Group (2010), 'Gene Giants Stockpile Patents on "Climate-Ready" Crops in Bid to Become "Biomassters": Patent Grab Threatens Biodiversity, Food Sovereignty', *The ETC Group Communique*, November, Issue 102, http://www.etcgroup.org/en/node/5220.

Europa (2005), 'A Major Trading Power', Europa, http://europa.eu/abc/keyfigures/tradeandeconomy/tradingpower/index_en.htm.

European Commission (2007), 'Nanotechnology', http://cordis.europa.eu/nanotechnology/.

European Group on Ethics in Science and New Technologies (2010), *Ethical Aspects of Patenting Inventions Involving Human Stem Cells*, Opinion No. 16 EGE, http://ec.europa.eu/europan_group_ethics/docs/avis16_en.pdf.

European Life Science Infrastructure for Biological Information, *ELIXIR: Data for Life*, http://www.elixir-europe.org/bcms/elixir/Documents/Elixir_brochure.pdf.

European Patent Office, 'Nanotechnology in European Patents: Opportunity and Challenges', http://www.epo.org/news-issues/issues/nanotechnology.html.

European Patent Office (2007), 'Interview with Patent Expert Greenpeace International Dr Christoph Then', Open Ended Interviews, http://documents.epo.org/projects/babylon/eponet.nsf/0/106FF770E1FA4E02C12572D8003A49FD/$File/Interview_Then.pdf.

European Patent Office (2007), *Scenarios for the Future: How might IP Regimes evolve by 2025? What Global Legitimacy might such Regimes Have?* Munich: European Patent Office, http://documents.epo.org/projects/babylon/eponet.nsf/0/63A726D28B589B5BC12572DB00597683/$File/EPO_scenarios_bookmarked.pdf.

European Patent Office (2011), 'EPO classification work leads to new international standard', Press Release, 28 January, http://www.epo.org/news-issues/news/2011/20110128.html.
EvoGene, http://www.evogene.com/.
ExxonMobil, 'Algae Biofuels', http://www.exxonmobil.com/Corporate/energy_climate_con_vehicle_algae.aspx.
Farnley, S., P. Morey-Nase and D. Sternfeld (2004), 'Biotechnology – A Challenge to the Patent System', *Current Opinion in Biotechnology*, **15**, 254.
Faunce, Thomas (2010), 'Exploring the Safety of Nanoparticles in Australian Sunscreens', *International Journal of Biomedical Nanoscience and Nanotechnology*, **1** (10), 87–94.
Fecteau, L. (2001), 'The Ayahuasca Patent Revocation: Raising Questions About Current U.S. Patent Policy', *Boston College Third World Law Journal*, **21** (1), 69–104.
Federal Trade Commission (2011), *The Evolving IP Marketplace: Aligning Patent Notice and Remedies with Competition*, Washington, DC: Federal Trade Commission.
Federico, P. (1937), 'Louis Pasteur's Patents', *Science*, **86**, 327 (8 October).
Federico, P. ([1952] 1993), 'Commentary on the New Patent Act', *Journal of the Patent and Trademark Office Society*, **75**, 161–231.
Feldman, R. (2004), 'The Open Source Biotechnology Movement: Is It Patent Misuse?', *Minnesota Journal of Law, Science and Technology*, **6**, 117–67.
Finkel, E. (2009), 'Plant Breeding: Scientists Seek Easier Access to Seed Banks', *Science*, **324** (5933), 1376.
Fire A., S. Xu, M.K. Montgomery, S.A. Kostas, S.E. Driver and C.C. Mello (1998), 'Potent and Specific Genetic Interference by Double-stranded RNA in Caenorhabditis elegans', *Nature*, **19,** 391 (6669), 806–11.
Fitt, R. and E. Nodder (2009), 'The Industrial Applicability of Biotechnology Patents – A New Test for Europe', *Biotechnology Law Report*, **28** (2), 151–8.
Flemings Nurseries, http://www.flemings.com.au/topten.asp?type=7.
Flicek, P. (2010), 'Challenges for the Data Management and Analysis of Large-Scale Human Genome Sequencing', Advances in Genomics conference, 29 January, http://www.advances-in-genomics.org/presentations/Flicek.pdf.
Foladori, G. and N. Invernizzi, (2005), 'Nanotechnology for the Poor?' *Public Library of Science Medicine*, **2** (8), e280. doi:10.1371/journal.pmed.0020280.
Fortin, S., S. Pathmasiri, R. Grintuch and M. Deschenes (2010), '"Access Arrangements" for Biobanks: A Fine Line between Facilitating and

Hindering Collaboration', *Public Health Genomics*, 1–11, DOI. 10.1159/000309852.
Fourmile, Henrietta (2000), 'Indigenous Interests in Biological Resources in Commonwealth Areas', in John Voumard, *Commonwealth Public Inquiry Into Access To Biological Resources In Commonwealth Areas*, Canberra: Environment Australia http://www.ea.gov.au/biodiversity/science/access/inquiry/index.html, 24.
Fowler, C. (2000), 'The Plant Patent Act of 1930: A Sociological History of Its Creation', *Journal of the Patent and Trademark Office Society*, **82** (9), 621–44.
Fowler, C. (2008), 'The Svalbard Seed Vault and Crop Security', *BioScience*, **58** (3), 190–91.
Fowler, Cary (1994), *Unnatural Selection: Technology, Politics, and Plant Evolution*, Yverdon: Gordon and Breach.
Fowler, Cary and Patrick Mooney (1990), *Shattering: Food, Politics, and the Loss of Genetic Diversity*, Tucson: University of Arizona Press.
Free Software Foundation Inc (2010), 'The Free Software Definition', http://www.gnu.org/philosophy/free-sw.html.
Free Software Foundation Inc, 'The GNU General Public License (GPL) Version 2', http://www.opensource.org/licenses/gpl-2.0.php.
Friedel, Robert (2007), *A Culture of Improvement: Technology and the Western Millennium*, Cambridge and London: MIT Press.
Fusco, S. (2010), '*In re Bilski*: A Conversation with Judge Randall Rader and a First Look at the BPAI's Patent Cases', *Albany Law Journal of Science and Technology*, **20**, 123–58.
Gajarsa, A. (2002), 'Quo Vadis? The Fifth Annual Honorable Helen Wilson Nies Memorial Lecture in Intellectual Property Law', *Marquette Intellectual Property Law Review*, **6**, 1–9.
Galison, Peter and Bruce Hevly (1992), *Big Science: The Growth of Large-Scale Research*, Stanford, CA: Stanford University Press.
Gamow, G. (1955), 'Information Transfer in the Living Cell', *Scientific American*, **193**, 70–78.
Gardiner, H. (2010), 'US Judge Rules Against Obama's Stem Cell Policy', *New York Times*, 23 August.
Garnaut, Ross (2008), *The Garnaut Climate Change Review: Final Report*, Cambridge: Cambridge University Press, http://www.garnautreview.org.au.
Garner, Helen (1992), *Cosmo, Cosmolino*, Melbourne: McPhee Gribble and Penguin Books.
Gates, B. (2008), 'Speech to the World Economic Forum', The Gates Foundation, http://www.gatesfoundation.org/speeches-commentary/Pages/bill-gates-2008-world-economic-forum-creative-capitalism.aspx.

Gates, B. (2008), 'Making Capitalism More Creative', *Time Magazine*, 31 July.
Gates Foundation (2007), 'Grant to the United Nations Foundation to Protect the Genetic Diversity of 21 Critical Crops for Food Security and Poverty Alleviation, by Supporting National Genebanks, the Svalbard Global Seed Vault, and the Global Crop Diversity Trust', http://www.gatesfoundation.org/Grants-2007/Pages/United-Nations-Foundation-OPP45782.aspx.
Gates Foundation (2009), Agricultural Development: Strategy Overview, http://www.gatesfoundation.org/agriculturaldevelopment/Documents/agricultural-development-strategy-overview.pdf.
Gates Foundation, http://www.gatesfoundation.org/AboutUs/.
Gendreau, Ysolde (ed.) (2008), *An Emerging Intellectual Property Paradigm: Perspectives from Canada*, Cheltenham and Northampton, MA: Edward Elgar.
Generation Challenge Programme, http://www.generationcp.org/.
Generation Scotland, http://www.generationscotland.co.uk/.
Genetic Technologies Limited (2008), 'Genetic Technologies to Enforce Rights to BRCA Patents', Press Release, 11 July, http://www.gtglabs.com.au/announcements/genetic-technologies-to-enforce-rights-to-brca-patents.
Genetic Technologies Limited (2008), 'New Position re BRCA Testing', Press Release, 2 December, http://www.gtglabs.com.au/announcements/new-position-re-brca-testing.
Genetic Technologies Limited (2010), 'Genetic Technologies Moves to Assert Its Intellectual Property Rights and Files Patent Infringement Suit in USA', Press Release, 16 February, http://www.gtglabs.com.au/images/stories/pdf/ASX%20Announcements/Assertion_of_property_rights_February_16_2010.pdf.
Genetic Technologies Limited (2011), 'Genetic Technologies files Second Patent Infringement Suit in the USA', Press Release, 20 January.
Genome Web (2010), 'US DoJ Argues Against Patenting Isolated Genes, But USPTO Will Maintain Status Quo', *Pharmacogenetics Reporter*, 3 November, http://www.genomeweb.com/print/953728?page=show.
Gepts, P. (2004), 'Who Owns Biodiversity, and How Should the Owners Be Compensated?' *Plant Physiology*, **134**, 1295–307.
Ghildiyal M. and P. Zamore (2009), 'Small Silencing RNAs: An Expanding Universe', *Nature Reviews Genetics*, **10** (2), 94–108.
Gibbs, W.W. (2004), 'Synthetic Life', *Scientific American*, May, 75–81.
Gibney, Matthew (ed.) (2003), *Globalizing Rights: The Oxford Amnesty Lectures 1999*, Oxford: Oxford University Press.

Gibson, Daniel G. et al. (2010), 'Creation of a Bacterial Cell Controlled by a Chemically Synthesized Genome', *Science*, **329** (5987), 52–6.
Gilbert, N. (2010), 'Future Funding for Agricultural Research Uncertain: Financial Donors Wrangle Over Global Research Group's Strategy', *Nature*, 31 March.
Gilbert, N. et al. (2005), 'Multiple Fates of L1 Retrotransposition Intermediates in Cultured Human Cells', *Molecular and Cellular Biology*, **25**, 7780–95.
Gitter, D. (2001), 'International Conflicts Over Patenting Human DNA Sequences in the United States and the European Union: An Argument for Compulsory Licensing and a Fair-Use Exemption', *New York University Law Review*, **76** (6), 1623–91.
Gitter, D. (2007), 'Resolving the Open Source Paradox in Biotechnology: A Proposal for a Revised Open Source Policy for Publicly Funded Genomic Databases', *Houston Law Review*, **43** (4), 1476–521.
Gitter, D. (2010), 'The Challenges of Achieving Open Source Sharing of Biobank Data', *Biotechnology Law Report*, **29** (6), 623–35.
Global Crop Diversity Trust (2009), *Annual Report*, Rome: Global Crop Diversity Trust.
Global Crop Diversity Trust, 'Preparing for Climate Change', http://www.croptrust.org/main/climatechange.php.
Global Crop Diversity Trust, http://www.croptrust.org/main/.
Gold, Richard (2009), 'Avoiding the Mistakes of Biotech: How Intellectual Property Can Be Better Managed to Advance Nanotechnology Research', *Studies in Ethics, Law, and Technology*, **3** (3), Article 4.
Gold R., Y. Joly and T. Caulfield (2005), 'Genetic Research Tools, the Research Exception and Open Science', *GenEdit*, **3** (2) 1–8.
Gold, Richard and Bartha Knoppers (eds) (2009), *Biotechnology, IP and Ethics*, Markham, ON: LexisNexis Canada.
Gordon, W. (2002), 'Authors, Publishers, and Public Goods: Trading Gold for Dross', *Loyola of Los Angeles Law Review*, **36**, 159–98.
Gorman, Julian and Peter Whitehead (2006), *Small-scale Commercial Plant Harvests by Indigenous Communities*, Canberra: Rural Industries Research and Development Corporation.
Government of Western Australia Department of Health (2010), *Guidelines for Human Biobanks, Genetic Research Databases and Associated Data*, Perth: Government of Western Australia, http://www.genomics.health.wa.gov.au/publications/index.cfm.
GRAIN (1998), 'Ten Reasons Not to Join UPOV: Global Trade and Biodiversity in Conflict', *Seedling*, http://www.grain.org/seedling/?id=10.

Grandin, Greg (2010), *Fordlandia: The Rise and Fall of Henry Ford's Forgotten Jungle City*, London: Icon Books.

Grant Allen, J. (2010), 'Group Consent and the Nature of Group Belonging: Genomics, Race and Indigenous Rights', *Journal of Information, Law, and Science*, **20** (2), 28–59.

Greenpeace, 'Patents on Life', http://www.greenpeace.org/international/en/campaigns/agriculture/problem/genetic-engineering/ge-agriculture-and-genetic-pol/patents-on-life/.

Griffith University, Intellectual Property Policy, http://www62.gu.edu.au/policylibrary.nsf/binders/8a581b3be85b69e34a2570530063fdcf?opendocument.

Griffiths, P.E. (2001), 'Genetic Information: A Metaphor in Search of a Theory', *Philosophy of Science*, **68**, 394–412.

Grimm, D. et al. (2006), 'Fatality in Mice due to Oversaturation of Cellular MicroRNAs/Short Hairpin RNA Pathways', *Nature*, **441**, 537–41.

Grishok, A., A.E. Pasquinelli, D. Conte, N. Li, S. Parrish, I. Ha, D.L. Baillie, A. Fire, G. Ruvkun and C.C. Mello (2001), 'Genes and Mechanisms Related to RNA Interference Regulate Expression of the Small Temporal RNAs that Control *C. elegans* Developmental Timing', *Cell*, **106** (1), 23–34.

Haddow, G., S. Cunningham-Burley, A. Bruce and S. Parry (2008), 'Generation Scotland: Consulting Publics and Specialists at an Early Stage in a Genetic Database's Development', *Critical Public Health*, **18**, 139–49.

Hahlbrock, Klaus (2009), *Feeding the Planet: Environmental Protection Through Sustainable Agriculture*, London: Haus Publishing Ltd.

Halbert, Debora J. (2005), *Resisting Intellectual Property*, London and New York: Routledge.

Hamilton, A.J. and D.C. Baulcombe (1999), 'A Species of Small Antisense RNA in Posttranscriptional Gene Silencing in Plants', *Science*, **286**, 950–52.

Hammond, S.M. (2005), 'MicroRNAs as Tumor Suppressors', *Nature Genetics*, **39**, 582–3.

Hamson, C.J. (1930), *Patent Rights for Scientific Discoveries*, Indianapolis: Bobbs-Merill Co.

Haraway, Donna J. (1997), *Modest_Witness@Second_Millennium. Femaleman_Meets_Oncomouse*, New York: Routledge.

Haussecker, D. (2008), 'The Business of RNAi Therapeutics', *Human Gene Therapy*, **19** (5), 451–62.

Haussecker, D. (2010), 'Tuschl Litigation Decidedly Shifting into Max Planck-Alnylam's Favor', http://rnaitherapeutics.blogspot.com/2010/10/tuschl-litigation-decidedly-shifting.html.

Haverkort, Bertus and Stephen Rist (eds) (2007), *Endogenous Development and Bio-Cultural Diversity: the Interplay of Worldviews, Globalisation and Locality*, Leusden, Netherlands and Bern, Switzerland: Compas and Centre for Development and Environment.

Hawke, Allan et al. (2009), *The Australian Environment Act – A Report of the Independent Review of the Environment Protection and Biodiversity Conservation Act 1999*, Canberra: Commonwealth of Australia, http://www.environment.gov.au/epbc/review/publications/final-report.html.

Hawkins, N. (2010), 'Human Gene Patents and Genetic Testing in Europe: A Reappraisal', *Script-ed*, **7** (3), 453–73, http://www.law.ed.ac.uk/ahrc/script-ed/vol7–3/hawkins.asp.

Hayden, C. (2007), 'Taking as Giving: Bioscience, Exchange, and the Politics of Benefit-Sharing', *Social Studies of Science*, **37**, 729–58.

Hayden, Cori (2003), *When Nature Goes Public: The Making and Unmaking of Bioprospecting in Mexico*, Princeton: Princeton University Press.

Hazuka, C. (2002), 'Supporting the Work of Lesser Geniuses: An Argument for Removing Obstructions to HESC Research', *University of Miami Law Review*, **57**, 157–220.

Headrick, Daniel (1981), *The Tools of Empire: Technology and European Imperialism in the Nineteenth Century*, Oxford: Oxford University Press.

Heller, M. (1998), 'The Tragedy of the Anticommons: Property in the Transition from Marx to Markets', *Harvard Law Review*, **111** (3), 621–88.

Heller, Michael (2008), *The Gridlock Economy: How Too Much Ownership Wrecks Markets, Stops Innovation and Costs Lives*, New York: Basic Books.

Heller, Michael (ed.) (2010), *Commons and Anticommons*, vols I and II, Cheltenham and Northampton, MA: Edward Elgar.

Heller, M. and R. Eisenberg (1998), 'Can Patents Deter Innovation? The Anticommons in Biomedical Research', *Science*, **280**, 698–701.

Helwegen, W. (2010), 'The Research Exemption from a Nanotechnology Perspective', *European Intellectual Property Review*, **32** (7), 341–51.

Henaghan, Mark (ed.) (2006), *Choosing Genes for Future Children: Regulating Preimplantation Genetic Diagnosis*, Dunedin: Human Genome Research Project and New Zealand Law Foundation.

Henaghan, Mark (ed.) (2007), *Genes, Society, and the Future*, Dunedin: Human Genome Research Project and New Zealand Law Foundation.

Henaghan, Mark (ed.) (2009), *Findings from the Law Foundation Sponsored Human Genome Research Project*, Dunedin: Human Genome Research Project and New Zealand Law Foundation.

Henkel, J. and S. Maurer (2007), 'The Economics of Synthetic Biology', *Molecular Systems Biology*, **3** (117), 1–4.

Henkel, J. and S. Maurer (2009), 'Parts, Property and Sharing', *Nature Biotechnology*, **27** (12), 1095–8.

The Henry J Kaiser Family Foundation (2003), 'National Politics and Policy, Lawmakers Reach Agreement on Appropriations Bill Language Barring Patents on Human Organisms', Kaisernetwork.org, 25 November, http://www.kaisernetwork.org/daily_reports/rep_index.cfm?%20hint=2&DR_ID=21029.

Hermeren, Göran (2000), 'Patents and Licensing, Ethics, International Controversies', in Thomas Murray and Maxwell Mehlman (eds), *Encyclopedia of Ethical, Legal and Policy Issues in Biotechnology*, New York: Wiley, 817–25.

Herrmann, J.R. and M. Rowlandson (2008), 'The Role of Ethics and Morality in EU Law', *Journal of International Biotechnology Law*, **5** (6), 241–51.

Hiddleton, S. (2010), 'A Repository of Seeds on Cliff Top of Himalayas', *The Hindu*, 17 February.

Hilgartner, S. (2009), 'Intellectual Property and the Politics of Emerging Technology: Investors, Citizens, and Powers to Shape the Future', *Chicago-Kent Law Review*, **84**, 197−244.

Hill, D. (2004), 'Latin America Shows Rapid Rise in S&E Articles', *Info-Brief*, National Science Foundation, August, 1.

Hippel, Eric von (2005), *Democratizing Innovation*, Cambridge, MA and London: The MIT Press.

Hobhouse, Henry (2002), *Seeds of Change: Six Plants That Transformed Mankind*, London: Pan.

Hodge, Graeme, Diana Bowman and Andrew Maynard (eds) (2011), *International Handbook on Regulating Nanotechnologies*, Cheltenham and Northampton, MA: Edward Elgar.

Holcombe, Sarah (2009) *Indigenous Ecological Knowledge and Natural Resources in the Northern Territory: Guidelines for Indigenous Ecological Knowledge Management (including Archiving and Repatriation)*, Darwin: Natural Resource Management Board NT, 12, http://www.nrmbnt.org.au/files/iek/IEK%20&%20NRM%20NT%20Guidelines%20final.pdf.

Holcombe, S. and N. Gould (2010), 'A Preliminary Review of Ethics Resources, with a Particular Focus of those Available On-line from Indigenous Organisations in WA, NT and Qld', *Australian Aboriginal Studies Journal*, No. 2., 107–25.

Holcombe, S., P. Yates and F. Walsh (2011), 'Reinforcing Alternative Economies: Self-motivated Work by Central Anmatyerr People to Sell Akatyerr (Desert Raisin) in Central Australia', *Rangelands Journal* (forthcoming).

Holman, C. (2010), 'On Remand, Federal Circuit (Once Again) Decides *Prometheus* v. *Mayo* in Favor of Patent Eligibility for Methods of Treatment and Diagnostic Tests', Holman's Biotech IP Blog, 17 December, http://holmansbiotechipblog.blogspot.com/2010/12/on-remand-federal-circuit-once-again.html.

Holmes, H.M. (1932), 'Patent Rights for Scientific Discoveries by C.J. Hamson', *Harvard Law Review*, **45**, 1431–3.

Holzapfel, H. and J. Sarnoff (2008), 'A Cross-Atlantic Dialog on Experimental Use and Research Tools', *IDEA: Intellectual Property Law Review*, **48**, 123–4.

Honingsbaum, Mark (2001), *The Fever Trail: The Hunt for the Cure for Malaria*, London: Macmillan.

Hope, Janet (2008), *Biobazaar: The Open Source Revolution and Biotechnology*, Cambridge, MA: Harvard University Press.

Hopkin, M. (2008), 'Biodiversity: Frozen Futures', *Nature*, **452**, 404–5.

Hornyak, Gabor Louis, H.F. Tibbals and Joydeep Dutta (2008), *Introduction to Nanoscience and Nanotechnology*, London: Taylor and Francis.

Hubicki, S. and B. Sherman (2005), 'The Killing Fields: Intellectual Property and Genetic Use Restriction Technologies', *The University of New South Wales Law Journal*, **28** (3), 740–58.

Hugenholtz, Bernt and Lucie Guibault (eds) (2006), *The Future of the Public Domain*, Amsterdam: Kluwer Law International.

Human Genome Project and United States Department of Energy Office of Science (1996), *Summary of Principles Agreed at the First International Strategy Meeting on Human Genome Sequencing*, http://www.ornl.gov/sci/techresources/Human_Genome/research/bermuda.shtml #1.

Hunt, Geoffrey (2006), 'The Global Ethics of Nanotechnology' in Geoffrey Hunt and Michael Mehta (eds), *Nanotechnology: Risks, Ethics and Law*, London: Earthscan.

Hunt, Geoffrey and Michael Mehta (eds) (2006), *Nanotechnology: Risks, Ethics and Law*, London: Earthscan.

Hunter, Graeme (2000), *Vital Forces: The Discovery of the Molecular Basis of Life*, London and San Diego: Academic Press.

Hunter, Kathryn and Graeme Laurie (2009), 'Involving Publics in Biobank Governance: Moving Beyond Existing Approaches', in Heather Widdows and Caroline Mullen (eds), *The Governance of Genetic Information*, Cambridge: Cambridge University Press.

Ilag, L.L., L.M. Ilag and L.L. Ilag (2002), 'From Patenting Genes to Proteins: The Search for Utility via Function', *TRENDS in Biotechnology*, **20** (5), 197–9.

IMS Health (2010), 'Top-Line Industry Data', http://www.imshealth.com/portal/site/imshealth/menuitem.a46c6d4df3db4b3d88f611019418c22a/

?vgnextoid=e599410b6c718210VgnVCM100000ed152ca2RCRD&cpsextcurrchannel=1.

The International Cancer Genome Consortium, http://www.icgc.org/.

International Centre for Trade and Sustainable Development and the Quaker United Nations Office (2010), 'The Future of UPOV In A Changing World: Issues and Challenges', 25 March, http://ictsd.org/i/events/dialogues/72761/.

International Expert Group on Biotechnology, Innovation and Intellectual Property (2008), *Toward a New Era of Intellectual Property: From Confrontation to Negotiation*, Montreal: International Expert Group on Biotechnology, Innovation and Intellectual Property.

International HapMap Consortium (2004), 'Integrating Ethics and Science in the International HapMap Project', *Nature Reviews Genetics*, **5**, 467–75.

International HapMap Consortium (2005), 'A Haplotype Map of the Human Genome', *Nature*, **437** (7063), 1299–320.

International Human Genome Sequencing Consortium (2001), 'Initial Sequencing and Analysis of the Human Genome', *Nature*, **409**, 860–921.

IP Australia (2010), *Dream Shield: A Guide to Protecting Designs, Brands and Inventions for Aboriginal and Torres Strait Islanders*, http://www.ipaustralia.gov.au/resources/dream_shield.shtml.

IP Australia (2010), *Nanga Mai Arung – Dream Shield: A Guide to Protecting Designs, Brands and Inventions for Aboriginal and Torres Strait Islanders*, Canberra: Commonwealth of Australia, http://www.ipaustralia.gov.au/pdfs/news/dream_shield/print/dreamshield.pdf.

Jacob, C. (2008), 'Doomsday Vault is Open for Business', *Sky News Channel*, 27 February.

Janke, Terri (2009), *Indigenous Ecological Knowledge and Natural Resources in the Northern Territory: Report on the Current Status of Indigenous Intellectual Property*, Darwin: Natural Resource Management Board NT.

Japan Patent Office, http://www.jpo.go.jp.

Japan Patent Office (2007), *Annual Report*, http://www.jpo.go.jp/shiryou_e/toushin_e/kenkyukai_e/pdf/annual_report2007/part1.pdf.

Jarcho, Saul (1993), *Quinine's Predecessor: Francesco Torti and the Early History of Cinchona*, Baltimore and London: The Johns Hopkins University Press.

Jarlmadangah Community Inc, http://www.jarlmadangah.com/1.htm.

Jasanoff, Sheila (2007), *Designs on Nature: Science and Democracy in Europe and the United States*, Princeton: Princeton University Press.

Jayaraman, K.S. (2010), 'India's Doomsday Vault in Frozen Himalayas', *Nature India*, 10 March, http://www.nature.com/nindia/2010/100310/full/nindia.2010.29.html.

Jeffrey, M. (2002), 'Bioprospecting: Access to Genetic Resources and Benefit-Sharing under the Convention on Biodiversity and the Bonn Guidelines', *Singapore Journal of International and Comparative Law*, **6**, 747–808.

Johnson, R. (2009), 'Evidence to The US National Academies, Opportunities and Challenges in the Emerging Field of Synthetic Biology', Washington, DC, 10 July.

Joly, Yann (2009), 'Patents on Genetic Research Tools: Recent Trends and Future Outlook', in Richard Gold and Bartha Knoppers (eds), *Biotechnology, Intellectual Property and Ethics*, Markham: LexisNexis Canada, 39–57.

Joly, Yann (2010), 'Open Biotechnology: Licenses Needed', *Nature Biotechnology*, **28** (5), 417–19.

Jones, R. (2007), 'Can Nanotechnology Ever Prove That It Is Green?' *Nature Nanotechnology*, **2**, 71–2.

Jopling, C., M. Yi, A. Lancaster, S. Lemon and P. Sarnow (2005), 'Modulation of Hepatitis C Virus RNA Abundance by a Liver-Specific MicroRNA', *Science*, **309** (5740), 1577–81.

Kadidal, S. (1993), 'Plants, Poverty, and Pharmaceutical Patents', *The Yale Law Journal*, **103** (1), 223–58.

Kaiser, J. (2008), 'A Plan to Capture Human Diversity in 1000 Genomes', *Science*, **319** (5862), 395.

Kaiser, Mario, Monika Kurath, Sabine Maasen and Christoph Rehmann-Sutter (eds) (2010), *Governing Future Technologies Nanotechnology and the Rise of an Assessment Regime*, Dordrecht: Springer.

Kallinger, C. et al. (2008), 'Patenting Nanotechnology: A European Patent Office Perspective', *Nanotechnology Law and Business*, **5**, 95–105.

Kamau, Evanson C. and Gerd Winter (2009), *Genetic Resources, Traditional Knowledge and the Law – Solutions for Access and Benefit Sharing*, London: Earthscan.

Kappos, D. (2011), 'Statement on the *America Invents Act*', Subcommittee on Intellectual Property, Competition and the Internet, Committee on the Judiciary, United States House of Representatives, 30 March, http://www.uspto.gov/news/speeches/2011/kappos-_house_testimony.jsp.

Kapranov, P. et al. (2007), 'RNA Maps Reveal New RNA Classes and a Possible Function for Pervasive Transcription', *Science*, **316**, 1484–8.

Karjala, D. (2011), 'Protecting Innovation in Computer Software, Biotechnology, and Nanotechnology', *Virginia Journal of Law and Technology*, **16** (1), 42–65.

Karow, J. (2009), '1000 Genomes Project to Sequence Nearly 1,000 More Samples by Early 2010; New Samples Collected', Genomeweb, http://webcache.googleusercontent.com/search?q=cache:pU05R7uEqyMJ:www.genomeweb.com/sequencing/1000-genomes-project-sequence-nearly-1000-more-samples-early-2010-new-samples-co+1000+Genomes+Project+african-american+hispanic&cd=1&hl=en&ct=clnk&gl=us.

Kass, L. (1981), 'Patenting Life', *Journal of the Patent Office Society*, **63**, 571–600.

Kay, Lily E. (2000), *Who Wrote the Book of Life? A History of the Genetic Code*, Stanford: Stanford University Press.

Kaye, J. (2005), 'Do We Need a Uniform Regulatory System for Biobanks across Europe?' *European Journal of Human Genetics*, **14**, 245–8.

Kaye, Jane (2009), 'Biobank Networks – What Are the Governance Challenges?', in Jane Kaye and Mark Stranger (eds), *Principles and Practice of Biobank Governance*, Cheltenham: Ashgate, 201–13.

Kaye, Jane and Mark Stranger (eds) (2009), *Principles and Practice of Biobank Governance*, Cheltenham: Ashgate.

Keasling, J. (2008), 'Synthetic Biology for Synthetic Chemistry', *ACS Chemical Biology*, **3** (1), 64–76.

Keasling, J. (2010), 'Evidence to Committee on Energy and Commerce, United States House of Representatives, Effects of Developments in Synthetic Genomics and Implications for Energy and Health', Washington, DC, 27 May.

Keim, B. (2007), 'Patent Eligible Subject Matter in the Biotechnological Arts', Berkeley Electronic Press, http://works.bepress.com/benjamin_keim/1.

Keller, Evelyn Fox (2009), 'What Does Synthetic Biology have to do with Biology', *BioSocieties*, **4** (2–3), 291–302.

Kellert, Stephen, Helen Longino and C. Kenneth Waters (eds) (2006), *Scientific Pluralism: Minnesota Studies in the Philosophy of Science*, vol. 19, Minneapolis: University of Minnesota Press, 190–214.

Keneally, Thomas (2010), *Three Famines*, North Sydney, NSW: Knopf.

Kennerdell, J.R. and R.W. Carthew (1998), 'Use of Double-stranded RNA-Mediated Genetic Interference to Demonstrate that Frizzled and Frizzled 2 Act in the Wingless Pathway', *Cell*, **95**, 1017–26.

Kerr, I. and G. Bassie (2004), 'Not *That* Much Room? Nanotechnology, Networks and the Politics of Dancing', *Health Law Journal*, **12**, 103–23.

Kevles, D. (2002), 'Of Mice and Money: The Story of the World's First Animal Patent', *Daedalus*, **131** (2), 78–88.

Kevles, Daniel (2002), *A History of Patenting Life in the United States with Comparative Attention to Europe and Canada*, Brussels: European Group on Ethics in Science and New Technology, European Commission.

Khan, B. Zorina (2005), *The Democratisation of Inventions: Patents and Copyrights in American Economic Development, 1790–1920*, Cambridge: Cambridge University Press.

Kieff, F.S. (2001), 'Facilitating Scientific Research: Intellectual Property Rights and the Norms of Science – A Response to Rai and Eisenberg', *Northwestern University Law Review*, **95**, 691–705.

Kinsley, Michael (ed.) (2009), *Creative Capitalism: A Conversation with Bill Gates, Warren Buffett and Other Economic Leaders*, New York: Simon & Schuster.

Kitano, H. (2008), 'Synthetic Biology: A Brief Overview', *Science*, **295**, 1662–4.

Klein, R. and M. Mahoney (2008), 'LabCorp v. Metabolite Laboratories: The Supreme Court Listens but Declines to Speak', *Journal of Law, Medicine & Ethics*, **36** (1), 141–9.

Kleinman, M.E. et al. (2008), 'Sequence- and Target-independent Angiogenesis Suppression by siRNA via TLR3', *Nature*, **452**, 591–7.

Kloppenburg Jr., Jack (1988), *First the Seed: The Political Economy of Plant Biotechnology 1492–2000*, Cambridge: Cambridge University Press.

Knoppers, B. (2005), 'Biobanking: International Norms', *Journal of Law, Medicine, and Ethics*, **33**, 7–14.

Knoppers, Bartha (2009), 'Biotechnology and Ethics', in Richard Gold and Bartha Knoppers (eds), *Biotechnology, IP and Ethics*, Markham, ON: LexisNexis Canada, 59–67.

Knoppers, B. and L. Sheremeta (2003), 'Beyond the Rhetoric: Population Genetics and Benefit-sharing', *Health Law Journal*, **11**, 89–117.

Konski, A. and D. Spielthenner (2009), 'Stem Cell Patents: A Landscape Analysis', *Nature Biotechnology*, **27** (8), 722–6.

Kopinski, N. (2004), 'Human-Nonhuman Chimeras: A Regulatory Proposal on the Blurring of Species Lines', *Boston College Law Review*, **45**, 619–66.

Koppikar, V., S. Maebius and J.S. Rutt (2004), 'Current Trends in Nanotech Patents: A View From Inside the Patent Office', *Nanotechnology Law and Business*, **1**, 24–30.

Korobkin, Russel and Stephen Munzer (2007), *Stem Cell Century: Law and Policy for a Breakthrough Technology*, New Haven, CT: Yale University Press.

Kostel, K. (2009), 'The Language of Change', *Nature Reports Climate Change*, 29 January, http://www.nature.com/climate/2009/0902/full/climate.2009.10.html.

Krattiger, Anatole and Ingo Potrykus (2007), 'Golden Rice: A Product-Development Partnership in Agricultural Biotechnology and Humanitarian Licensing', in Anatole Krattiger et al. (eds), *Executive Guide to Intellectual Property Management in Health and Agricultural Innovation: A Handbook of Best Practices*, Oxford: Centre for the Management of Intellectual Property in Health Research and Development, http://www.iphandbook.org/handbook/case_studies/cs03/.

Krattiger, Anatole et al. (eds) (2007), *Intellectual Property Management in Health and Agricultural Innovation: A Handbook of Best Practices,* Oxford: Centre for the Management of Intellectual Property in Health Research and Development.

Kulinowski, K. (2004) 'Nanotechnology: From "Wow" to "Yuck"?', *Bulletin of Science, Technology & Society,* **24** (1), 13–20.

Lagos-Quintana, M., R. Rauhut, W. Lendeckel and T. Tuschl (2001), 'Identification of Novel Genes Coding for Small Expressed RNAs', *Science*, **294**, 853–8.

Lakoff, George and Mark Johnson (1980), *Metaphors We Live By*, Chicago: Chicago University Press.

Lanford, R.E. et al. (2010), 'Therapeutic Silencing of MicroRNA-122 in Primates with Chronic Hepatitis C Virus Infection', *Science*, **327** (5962), 198–201.

Lappe, Anna (2010), *Diet for a Hot Planet: The Climate Crisis at the end of Your Fork and What You Can Do About It*, New York: Bloomsbury USA.

Lappe, Frances Moore, Joseph Collins and Cary Fowler (1977), *Food First: Beyond the Myth of Scarcity*, Boston: Houghton-Mifflin.

Latour, Bruno (1987), *Science in Action: How to Follow Scientists and Engineers Through Society*, Cambridge, MA: Harvard University Press.

Latour, Bruno and Steven Woolgar (1979), *Laboratory Life: The Social Construction of Scientific Facts*, London: Sage.

Laurie, Graeme, Ann Bruce and Catherine Lyall (2009), 'The Roles of Values and Interests in the Governance of the Life Sciences: Learning Lessons from the "Ethics+" Approach of UK Biobank', in Catherine Lyall, Theo Papaioannou and James Smith (eds), *The Limits to Governance: The Challenge of Policy-Making for the New Life Sciences*, Aldershot: Ashgate, 51–77.

Laury, E. (2010), 'Patentable Subject Matter Paradigm Evolves: Bilski's Impact on Nanotechnology', NanoLaw Blog, 1 July, http://blogs.law.widener.edu/nanolaw/2010/07/01/patentable-subject-matter-paradigm-evolves-bilskis-impact-on-nanotechnology/.

Lawson, C. (2004), 'Patents and Plant Breeder's Rights Over Plant Genetic Resources for Food and Agriculture', *Federal Law Review*, **32** (1), 107–39.

Lawson, C. (2009), 'Intellectual Property and the Material Transfer Agreement under the International Treaty on Plant Genetic Resources for Food and Agriculture', *European Intellectual Property Review*, **31** (5), 244–54.

Ledford, H. (2010), 'Drug Giants turn their Backs on RNA Interference', *Nature*, **468**, 487.

Lee, A. (2006), 'Examining the Viability of Patent Pools for the Growing Nanotechnology Patent Thicket', *Nanotechnology Law and Business*, **3**, 317–27.

Lee, P.Y. (2005), 'Inverting the Logic of Scientific Discovery: Applying Common Law Patentable Subject Matter Doctrine to Constrain Patents on Biotechnology Research Tools', *Harvard Journal of Law and Technology*, **19** (1).

Legislative Analysts' Office (2004), *Proposition 71 Stem Cell Research. Funding. Bonds. Initiative Constitutional Amendment and Statute*, http://www.lao.ca.gov/ballot/2004/71_11_2004.htm.

LeGuyader, J. (2004), 'Patenting Interfering RNA. (USPTO Presentation)', www.cabic.com/bcp/020304/JLeGuyader_PIRNA.ppt.

Lemke, A., W. Wolf, J. Herbert-Beirne and M.E. Smith (2010), 'Public and Biobank Participant Attitudes towards Genetic Research Participation and Data Sharing', *Public Health Genomics* **13**, 368–77.

Lemley, M. (2005), 'Patenting Nanotechnology', *Stanford Law Review***, 58,** 601–30.

Lemley, M. (2011), 'Point of Novelty', Stanford Public Law Working Paper, 2, http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1735045.

Lemley, M., M. Risch, T. Sichelman and R.P. Wagner (2011), 'Life After *Bilski*', *Stanford Law Review*, **63**, 1315–47.

Lerner, J. (1995), 'Patenting in the Shadow of Competitors', *Journal of Law and Economics*, **38**, 463–95.

Levitt, M. and S. Weldon (2005), 'A Well Placed Trust? Public Perceptions of the Governance of DNA Databases', *Critical Public Health*, **15**, 311–21.

Lewin, T. (1996), 'Move to Patent Cancer Gene is Called Obstacle to Research', *The New York Times*, 21 May, 14.

Lewis, B.P., C.B. Burge and D.P. Bartel (2005), 'Conserved Seed Pairing, Often Flanked by Adenosines, Indicates that Thousands of Human Genes are MicroRNA Targets', *Cell*, **120**, 15–20.

Lewontin, R. (2001), 'They got the Wrong Key of Life', *The Sunday Times*, 8 July.

Li, L.-C. et al. (2006), 'Small dsRNAs induce transcriptional activation in human cells PNAS', **103**, 17337–42.
Liddell, K. and A. Hall (2005), 'Beyond *Bristol* and *Alder Hey*: The Future Regulation of Human Tissue', *Medical Law Review*, **13**, 170–223.
Liivak, O. (2010), 'Rescuing the Invention from the Cult of the Claim', working paper, http://www.law.berkeley.edu/files/bclt_IPSC2010_Liivak%282%29.pdf..
Llewelyn, Margaret (2005), 'Schrodinger's Cat: An Observation on Modern Patent Law', in Peter Drahos (ed.), *Death of Patents*, Witney: Lawtext Publications, 39–45.
Llewelyn, Margaret and Mike Adcock (2006), *European Plant Intellectual Property*, Oxford and Portland: Hart Publishing.
Lok, L. (2002), 'Software for Signaling Networks, Electronic and Cellular', *Science's STKE*, **122**, PE11.
Lowenstein, Roger (2008), *Buffett: The Making of an American Capitalist*, New York: Broadway Books.
Lowrance, W. (2006), 'Access to Collections of Data and Materials for Health Research', A Report to the Medical Research Council and Wellcome Trust, 1–36, http://www.wellcome.ac.uk/stellent/groups/corporatesite/@msh_grants/documents/web_document/wtx030842.pdf.
Luk, E. (2006), 'The United Kingdom and Germany: Differing Views on Therapeutic Cloning and How the Belgian Resolution Brings Them Together', *Michigan State University Journal of Medicine and Law*, **10**, 523–56.
Lyall, Catherine, Theo Papaioannou and James Smith (eds) (2009), *The Limits to Governance: The Challenge of Policy-Making for the New Life Sciences*, Aldershot: Ashgate.
Lyon, Z. (2008), 'Bartier Perry give community helping hand', *Lawyers Weekly*, 21 November.
Mack, G.S. (2007), 'MicroRNA gets down to Business', *Nature Biotechnology*, **25** (6), 631–8.
MacQueen, Hector, Charlotte Waelde and Graeme Laurie (2008), *Contemporary Intellectual Property: Law and Policy*, Oxford: Oxford University Press.
Magliocca, G. (2009), 'Patenting the Curve Ball: Business Methods and Industry Norms', *Brigham Young University Law Review*, 875–904.
Magnus, David, Arthur Caplan and Glenn McGee (eds) (2002), *Who Owns Life?* Amherst, NY: Prometheus Books.
Malin, B. et al. (2010), 'Technical and Policy Approaches to Balancing Patient Privacy and Data Sharing in Clinical and Translational Research', *Journal of Investigative Medicine*, **58** (1), 11–18.

Mandel, Gregory (2011), 'Regulating Nanotechnology Through Intellectual Property Rights', in Graeme Hodge, Diana Bowman and Andrew Maynard (eds), *International Handbook on Regulating Nanotechnologies*, Cheltenham and Northampton, MA: Edward Elgar, 388–407.

Mara, K. (2010), 'Change Coming to Quiet UN Plant Variety Protection Agency', *Intellectual Property Watch*, 26 October, http://www.ip-watch.org/weblog/2010/10/26/change-coming-for-quiet-un-plant-variety-protection-agency/.

Marchant, G., D. Sylvester and K. Abbott (2009), 'What Does the History of Technology Regulation Teach Us About Nano Oversight?' *Journal of Law, Medicine, and Ethics*, **37**, 724–31.

Marden, E. (1999), 'The Neem Tree Patent: International Conflict over the Commodification of Life', *Boston College International and Comparative Law Review*, **22** (2), 279-–95.

Marques, J.T.B. and R.G. Williams (2005), 'Activation of the Mammalian Immune System by siRNAs', *Nature Biotechnology*, **23,** 1399–405.

Marshall, E. (2001), 'Bermuda Rules: Community Spirit, with Teeth', *Science*, **291** (5507), 1192.

Martinezserrano, A. and A. Bjorklund (1996), 'Protection of the Neostriatum against Excitotoxic Damage by Neurotrophin-producing, Genetically Modified Neural Stem Cells', *Journal of Neuroscience*, **16** (15), 4604–16.

Maskus, Keith and Jerome H. Reichman (eds) (2005), *International Public Goods and Transfer of Technology under a Globalized Intellectual Property Regime*, Cambridge: Cambridge University Press.

Massachusetts Institute of Technology Institute for Soldier Nanotechnologies, 'Institute for Soldier Nanotechnologies', http://web.mit.edu/isn/.

Massachusetts Institute of Technology Institute for Soldier Nanotechnologies, 'Research', http://web.mit.edu/isn/research/index.html.

Matthijs, G. (2006), 'The European Opposition against the BRCA Gene Patents', *Familial Cancer*, **5**, 95.

Mattick, J.S. (2003), 'Challenging the Dogma: The Hidden Layer of Non-protein-coding RNAs in Complex Organisms', *Bioessays*, **10**, 930–39.

Mattick, J.S. (2004), 'RNA Regulation: A New Genetics?' *Nature Reviews Genetics*, **5**, 316–23.

McGuire, A.L. and L.M. Beskow (2010), 'Informed Consent in Genomics and Genetic Research', *Annual Review of Genomics and Human Genetics*, **11**, 361–81.

McLennan, A. (2007), 'Which Bank? A Guardian Model for Regulation of Embryonic Stem Cell Research in Australia', *Journal of Law and Medicine*, **15** (1), 45–76.

McManis, C. and S. Noh (2006), 'The Impact of the Bayh-Dole Act on Genetic Research and Development: Evaluating the Arguments and Empirical Evidence to Date', University of California, Berkeley, 13 August, 1, www.law.berkeley.edu/files/mcmanis(1).doc.
McManis, C. and E. Soo Seo (2009), 'The Interface of Open Source and Proprietary Agricultural Innovation: Facilitated Access and Benefit-Sharing Under the New FAO Treaty', *Washington University Journal of Law and Policy*, **30**, 405–64.
McSherry, Corynne (2001), *Who Owns Academic Work? Battling for Control of Intellectual Property*, Cambridge, MA: Harvard University Press.
Medical Research Council, 'Medical Research Council Policy on Data Sharing and Preservation Policy', http://www.mrc.ac.uk/Ourresearch/Ethicsresearchguidance/Datasharinginitiative/Policy/index.htm#P16_1349.
Medical Research Council, http://www.mrc.ac.uk/About/Structure/index.htm.
Meijers, Anthonie (ed.) (2009), *Philosophy of Technology and Engineering Sciences*, Amsterdam and London: Elsevier.
Mendel Biotechnology Inc., http://www.mendelbio.com/index.php.
Merton, Robert K. (1973), *The Sociology of Science: Theoretical and Empirical Investigations*, Chicago: University of Chicago Press.
Metlay, G. (2006), 'Reconsidering Renormalization: Stability and Change in 20th-Century Views on University Patents', *Social Studies of Science*, **36** (4), 565–97.
Mgbeoji, I. (2003), 'The Juridical Origins of the International Patent System: Towards a Historiography of the Role of Patents in Industrialization', *Journal of the History of International Law*, **5**, 403–22.
Mgbeoji, Ikechi (2006), *Global Biopiracy: Patents, Plants, and Indigenous Knowledge*, Vancouver: University of British Columbia Press.
Milanovic F., D. Pontille and A. Cambon-Thomsen (2007), 'Biobanking and Data Sharing: A Plurality of Exchange Regimes', *Genomics, Society and Policy*, **3**, 17–30.
Miles, J. (2008), 'Aborigine, Scientist find Pain Relief in Marjarla tree', *Courier Mail*, 21 October, http://www.couriermail.com.au/news/queensland/native-tree-bark-eases-pain/story-e6freoof-1111117814741.
Milford, P. (2008), 'Elan Wins $55.2 Million Jury Award From Abraxis', Bloomberg, 13 June.
Miller, Philip David and Peter Hanns Reill (eds) (1996), *Visions of Empire: Voyages, Botany, and Representations of Empire*, Cambridge: Cambridge University Press.
Mills, Oliver (2005), *Biotechnological Inventions: Moral Restraints and Patent Law*, Aldershot: Ashgate Publishing.

Minssen, T. and R. Schwartz (2011), 'US Patent Eligibility in the Wake of *Bilski* v. *Kappos:* "Business as Usual" in an Age of New Technologies?' *Biotechnology Law Report*, **30** (1), 3–56.

Moazed, D. (2009), 'Small RNAs in Transcriptional Gene Silencing and Genome Defence', *Nature*, **457**, 413–20.

Mohammed, E.A.C. (2008), 'What Is an Invention? A Review of the Literature on Patentable Subject Matter', *Richmond Journal of Law and Technology*, **15**, 1–36.

Mohan-Ram, V., R. Peet and P. Vlaemminck, 'Biotech Patent Infringement in Europe: The "Functionality" Gatekeeper', *John Marshall Review of Intellectual Property Law*, **10**, 540–52.

Mohan-Ram, V. and J. Waxman (2008), 'Synthetic Biology Patent Applications Expected to Present New Challenges', *Life Sciences Law & Industry Report*, **2** (12), 1–3.

Mohanty, C. et al. (2009), 'Nanobiotechnology: Application of Nanotechnology in Therapeutics and Diagnosis', *International Journal of Green Nanotechnology: Biomedicine*, **1**(1), B24–B38.

Monotti, Anne and Sam Ricketson (2003), *Universities and Intellectual Property: Ownership and Exploitation*, Oxford: Oxford University Press.

Monsanto (2008), 'Agriculture Can Help Keep Carbon in Balance', http://www.monsanto.com/responsibility/our_pledge/healthier_environment/climate_change.asp (available on the Internet Archive).

Monsanto and BASF (2009), 'Gene Provides Yield Stability During Periods of Inadequate Water Supply', 9 June, http://www.basf.com/group/pressrelease/P-09–274.

Monsanto and BASF (2009), 'Monsanto, BASF scientists disclose discovery of gene conferring drought tolerance in corn plants', Press Release, 9 June, http://www.basf.com/group/pressrelease/P-09–274.

Mooallem, J. (2010), 'Do-It-Yourself Genetic Engineering', *The New York Times Online*, 10 February.

Moore, S. (2002), 'Challenge To the Biotechnology Directive', *European Intellectual Property Review*, **24** (3), 149–54.

Moorhead, Anne (2009), *Climate, Agriculture and Food Security: A Strategy for Change*, The Alliance of the Consultative Group on International Agricultural Research Centres, http://www.cgiar.org/pdf/CCAFS_Strategy_december2009.pdf.

Morange, Michel (1998), *A History of Molecular Biology*, Cambridge: Harvard University Press.

Morse, J. (2011), 'Nurturing Nature, Nurturing Knowledge: The Nagoya Protocols on Access and Benefit Sharing', Terri Janke and Company, January (in press).

Morse, Jeremy (2011), *Know your Rights to your Indigenous Plant Knowledge – A Guide for Indigenous Knowledge Holders on Recording and Commercializing Indigenous Plant Knowledge*, Darwin: Aboriginal Bush Traders, http://www.aboriginalbushtraders.com/.

Murray, Thomas and Maxwell Mehlman (eds) (2000), *Encyclopedia of Ethical, Legal and Policy Issues in Biotechnology*, New York: Wiley.

Myers, G. (1995), 'From Discovery to Invention: The Writing and Rewriting of Two Patents', *Social Studies of Science*, **25** (1), 57–105.

Nano-Terra Inc., http://www.nanoterra.com/.

NanoBusiness Alliance (2002), 'US Patent Examiners May Not Know Enough About Nanotech', *Small Times*, http://www.smalltimes.com/articles/stm_print_screen.cfm?ARTICLE_ID=267691.

Nanobusiness Alliance (2009), 'Federal Trade Commission Hearing on Evolving IP Marketplace – Evolution of Remedies: Comment Number 540872–00017', http://www.ftc.gov/os/comments/iphearings/540872–00017.htm.

Nanosys (2009), 'Nanosys Reaches Settlement of Patent Infringement Lawsuit Against Nano Technologies for Quantum Dot Technology', Press Release, 23 July.

Nanotechnology Development Blog (2007), 'Harvard Nanotechnology Patents to Nano-Terra', 6 June, http://www.nanotechnologydevelopment.com/news/harvard-nanotechnology-patents-to-nano-terra.html.

Nasu, H. and T. Faunce (2009/2010), 'Nanotechnology and the International Law of Weaponry: Towards International Regulation of Nano-Weapons', *Journal of Law, Information and Science*, **20**, 21–54.

National Health and Medical Research Council (2010), *Biobanks Information Paper 2010*, Canberra: Commonwealth of Australia, http://www.nhmrc.gov.au/your_health/egenetics/practitioners/practitioners.htm ('NHMRC Biobanks Information Paper').

National Heritage Trust (2003), *Indigenous Knowledge Forum, Alice Springs 28–29 May 2003: Workshop Outcomes*, Canberra: Commonwealth of Australia, www.environment.gov.au/indigenous/publications/pubs/workshop.pdf.

National Human Genome Research Institute and National Institutes of Health, 'International HapMap Project Overview', http://www.genome.gov/10001688.

National Institutes of Health (1999), 'Principles and Guidelines for Recipients of NIH Research Grants and Contracts on Obtaining and Disseminating Biomedical Research Resources: Final Notice', *Federal Register*, **64**, 72090.

National Institutes of Health (NIH) (2003), *Statement on Sharing Research Data*, http://grants.nih.gov/grants/policy/data_sharing/.
National Institutes of Health (2003), *Final NIH Statement on Sharing Research Data*, http://grants.nih.gov/grants/guide/notice-files/NOT-OD-03–032.html.
National Institutes of Health (2007), 'Policy for Sharing of Data Obtained in NIH Supported or Conducted Genome-wide Association Studies (GWAS)', 28 August, http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07–088.html.
National Institutes of Health (2008), 'Background Fact Sheet on GWAS Policy Update', 28 August, http://grants.nih.gov/grants/gwas/.
National Institutes of Health (2008), 'International Consortium Announces the 1000 Genomes Project', Press Release, 22 January, http://www.nih.gov/news/health/jan2008/nhgri-22.htm.
National Institutes of Health (2008), 'Three Sequencing Companies Join 1000 Genomes Project', Press Release, 11 June, http://www.genome.gov/27526680.
National Institutes of Health (2008), *Modifications to Genome-Wide Association Studies (GWAS) Data Access*, 28 August, http://grants.nih.gov/grants/gwas/.
National Institutes of Health (2011), 'Legislative Updates: Cloning', Office of Legislative and Policy Analysis Legislative Updates, 3 February, http://olpa.od.nih.gov/legislation/107/pendinglegislation/7cloning.asp; 148 *Congressional Record* S5579 (daily ed. June 14, 2002).
National Nanotechnology Initiative, 'Funding', http://www.nano.gov/html/about/funding.html.
National Research Council (1997), *Intellectual Property Rights and the Dissemination of Research Tools in Molecular Biology*, Washington, DC: National Academy Press.
National Research Council of the National Academies (2009), *A New Biology for the 21st Century*, Washington, DC: The National Academies Press.
National Science and Technology Council (2011), *The National Nanotechnology Initiative: Strategic Plan*, Washington, DC: Executive Office of the President, The White House, 4 February.
Natural Heritage Trust (2004), *Working with Indigenous Knowledge in Natural Resource Management: Guidelines for Regional Bodies*, Canberra: Commonwealth of Australia, http://www.environment.gov.au/indigenous/publications/pubs/guidelines.pdf.
Natural Justice (2009), 'Submission Information and Views in Preparation for the Meeting of the Expert Group on Traditional Knowledge Associated with Genetic Resources. Answers to Questions Posed to the Expert

Group on Traditional Knowledge Associated with GR as Specified in COP Decision IX/12', 9.
Natural Justice (2009), *Bio-cultural Community Protocols: A Community Approach to Ensuring the Integrity of Environmental Law and Policy*, Nairobi: United Nations Environment Programme (UNEP) and Natural Justice.
Natural Justice (2009), *Imagining a Traditional Knowledge Commons: A Community Approach to Sharing Knowledge for Non-commercial Research*, Rome: International Development Law Organisation.
Natural Resource Management Ministerial Council (2002), *Nationally Consistent Approach for the Access to and Utilisation of Australia's Native Genetic and Biochemical Resources*, Canberra: Department of the Environment and Heritage, http://www.environment.gov.au/biodiversity/publications/access/nca/pubs/nca.pdf.
Nelson, B. (2009), 'Data Sharing: Empty Archives', *Nature*, **461** (7261), 160–63.
New South Wales Parliament Legislative Council Standing Committee on State Development (2008), *Nanotechnology in New South Wales*, Sydney: New South Wales Parliament, 29 October.
Ng, P., S. Murray, S. Levy and J.C. Venter (2009), 'An Agenda for Personalized Medicine', *Nature*, **461**, 724–6.
Nicol, D. (2004), 'Property in Human Tissue and the Right of Commercialisation: The Interface between Tangible and Intellectual Property', *Monash University Law Review*, **30**, 139–64.
Nicol, D. (2006), 'Public Trust, Intellectual Property and Human Genetic Databanks: The Need to Take Benefit Sharing Seriously', *Journal of International Biotechnology Law*, **3**, 89–103.
Nicol, Dianne and Christine Critchley (2009), 'What Benefit Sharing Arrangements Do People Want from Biobanks? A Survey of Public Opinion in Australia', in Jane Kaye and Mark Stranger (eds), *Principles and Practice of Biobank Governance*, Cheltenham: Ashgate, 18–31 ('Nicol and Critchley Benefit Sharing Arrangements').
Nicol, D. and C. Critchley (2011), 'Benefit Sharing and Biobanking in Australia', *Public Understanding of Science*, 21 April, 1–22.
Nicol, Dianne and Jane Nielsen (2003), *Patents and Medical Biotechnology: An Empirical Analysis of Issues Facing the Australian Industry,* Hobart: the Centre for Law and Genetics Occasional Paper No. 6.
Nicol, D., M. Otlowski and D. Chalmers (2001), 'Consent Commercialisation and Benefit Sharing', *Journal of Law and Medicine*, **9**, 80–94.
Nilsen, T.W. (2008), 'Endo-siRNAs: Yet Another Layer of Complexity in RNA Silencing', *Nature Structural and Molecular Biology*, **15**, 546–8.

Nordgen, http://www.nordgen.org/sgsv/index.php?page=welcome&PHPSESSID=m6jdn1j59nar67imgvrom7ck3.
Nuffield Council on Bioethics (2004), 'The Ethics of Patenting DNA', Discussion Paper, Nuffiled Council on Bioethics, 12 August.
Nuffield Council on Bioethics (2011), *Emerging Biotechnologies*, London: Nuffield Council on Bioethics, April, http://www.nuffieldbioethics.org/sites/default/files/files/Nuffield_Council_Bioethics_Emerging_Biotechnologies_consultation_April-June_2011.pdf.
Nurton, J. (2008), 'EPO Rulings Clarify Biotech Protection', *Managing Intellectual Property*, **185**, 14.
Obama, B. (2011), 'President Obama Signs *America Invents Act*, Overhauling the Patent System to Stimulate Economic Growth, and Announces New Steps to Help Entrepreneurs Create Jobs', The White House Press Office, http://www.whitehouse.gov/the-press-office/2011/09/16/president-obama-signs-america-invents-act-overhauling-patent-system-stim.
Oguamanam, Chidi (2006), *International Law and Indigenous Knowledge: Intellectual Property, Plant Biodiversity, and Traditional Knowledge*, Toronto: University of Toronto Press.
Okamura, K. and E.C. Lai (2008), 'Endogenous Small Interfering RNAs in Animals', *Nature Reviews Molecular Cell Biology*, **9**, 673–8.
O'Neill, S., K. Hermann, M. Klein, J. Landes and R. Bawa (2007), 'Broad Claiming in Nanotechnology Patents: Is Litigation Inevitable?' *Nanotechnology Law and Business*, **4**, 595–606.
Orlic, D. et al. (2001), 'Bone Marrow Cells Regenerate Infarcted Myocardium', *Nature*, **410** (6829) 701–5.
Ormond, K.E., M.E. Smith and W.A. Wolf (2010), 'The Views of Participants in DNA Biobanks', *Stanford Journal of Law, Science and Policy*, **1**, 80–87.
Osborne, R. (2007), 'Companies Jostle for Lead in RNAi, Despite Uncertainties', *Nature Biotechnology*, **25**, 1191–2.
Ostrom, Elinor (1990), *Governing the Commons: The Evolution of Institutions for Collective Action*, Cambridge: Cambridge University Press.
Otlowski, Margaret (2009), 'Developing an Appropriate Consent Model for Biobanks: In Defence of "Broad" Consent', in Jane Kaye and Mark Stranger (eds), *Principles and Practice of Biobank Governance*, Cheltenham: Ashgate, 79–92.
P3G, http://www.p3g.org/secretariat/index.shtml.
Palsson, B. (2000), 'The Challenges of in Silico Biology', *Nature Biotechnology*, **18**, 1147–50.
Paradise, J. (2004), 'European Opposition to Exclusive Control Over Predictive Breast Cancer Testing and the Inherent Implications for U.S.

Patent Law and Public Policy: A Case Study of the Myriad Genetics' BRCA Patent Controversy', *Food and Drug Law Journal*, **59**, 133–54.
Parry, Bronwyn (2004), *Trading the Genome: Investigating the Commodification of Bio-Information*, New York: Columbia University Press.
Parthasarathy, S. (2010), 'Breaking the Expertise Barrier: Understanding Activist Strategies in Science and Technology Policy Domains', *Science and Public Policy*, **37**, 355–67.
Patrick, A. (2009), 'Patent Eligibility and Computer-Related Processes: A Critique of *In re Bilski* and the Machine-or-Transformation Test', *Virginia Journal of Law and Technology*, **14**, 181–211.
Payne, M. (2007), 'Matters of Urgency: United Nations Declaration on the Rights of Indigenous Peoples', Senate Hansard, Australian Parliament, 10 September.
Pearson, H. (2006), 'What is a Gene?' *Nature*, **441**, 399–401.
Pecorino, Lauren (2008), *Molecular Biology of Cancer: Mechanisms, Targets, and Therapeutics*, Oxford: Oxford University Press.
Pernick, Ron and Clint Wilder (2008), *The Clean Tech Revolution: Discover the Top Trends, Technologies and Companies to Watch*, New York: Harper Collins Business.
Perry, Mark (2008), 'From Pasteur to Monsanto: Approaches to Patenting Life in Canada' in Ysolde Gendreau (ed.), *An Emerging Intellectual Property Paradigm: Perspectives from Canada*, Cheltenham and Northampton, MA: Edward Elgar, 67–80.
Peterson, C. (2004), 'Nanotechnology: From Feynman to the Grand Challenge of Molecular Manufacturing', *IEEE Technology and Society Magazine*, **23** (4), 9–15.
Pettitt, Clare (2004), *Patent Inventions: Intellectual Property and the Victorian Novel*, Oxford: Oxford University Press.
Pharmakina, www.pharmakina.com.
Phillips, Peter and Chika Onwuekwe (eds) (2007), *Accessing and Sharing the Benefits of the Genomics Revolution*, AA Dordrecht: Springer.
Pickler, N. (2010), 'Stem Cell Research Funding Appeal: Court OK's Federal Support While Appeal Continues', *The Huffington Post*, September.
Pimbert, Michael (2009), *Towards Food Sovereignty: Reclaiming Autonomous Food Systems*, London: The International Institute for Environment and Development.
Pioneer HiBred International (2009), 'Public-Private Partnerships Key to Achieving Global Food Security, Says DuPont Leader', 2009 Crawford Annual Fund Conference, Canberra, Australia, 27 October.
Plant Breeders Rights Office, 'Drysdale', http://www.ipaustralia.gov.au/pbr/drysdale.shtml.

Plas, J.V. (2008), 'Patent Office Upholds Remaining WARF Stem Cell Patents', *Wisconsin Technology Network*, 11 March, http://wistechnology.com/articles/4601/.

Plasterk, R.H.A. (2002), 'RNA Silencing: The Genome's Immune System', *Science,* **296,** 1263–5.

Pleiss, J. (2006), 'The Promise of Synthetic Biology', *Applied Microbiological Biotechnology*, **73**, 735–9.

Plomer, Aurora (2006), *Stem Cell Patents: European Patent Law and Ethics Report* (FP6), 'Life Sciences, Genomics and Biotechnology for Health', SSA LSSB-CT-2004- 005251, http://www.nottingham.ac.uk/~llzwww/StemCellProject/project.report.pdf.

Plomer, Aurora (2009), 'Human Dignity, Human Rights, and Article 6 (1) of the EU Directive on Biotechnological Inventions', in Aurora Plomer and Paul Torremans (eds), *Embryonic Stem Cell Patents: European Patent Law and Ethics*, Oxford: Oxford University Press, 203–26.

Plomer, Aurora and Paul Torremans (eds) (2009), *Embryonic Stem Cell Patents: European Patent Law and Ethics*, Oxford: Oxford University Press.

Pogge, Thomas, Matthew Rimmer and Kim Rubenstein (eds) (2010), *Incentives for Global Public Health: Patent Law and Access to Essential Medicines*, Cambridge: Cambridge University Press.

Porter, A. and J. Youtie (2009), 'Where Does Nanotechnology Belong in the Map of Science?' *Nature Nanotechnology*, **4**, 534–6.

Posey, Darrell and Graham Dutfield (1996), *Beyond Intellectual Property: Toward Traditional Resource Rights for Indigenous Peoples and Local Communities*, Ottawa: International Development Research Centre.

Potrykus, I. (2001), 'Golden Rice and Beyond', *Plant Physiology*, **125**, 1157–61.

Pottage, Alain and Brad Sherman (2010), *Figures of Invention: A History of Modern Patent Law*, Oxford: Oxford University Press.

Potter, K.G. (2009), 'Getting Written Description Right in the Biotechnology Arts: A Realist Approach to Patent Scope', *Biotechnology Law Report*, **28** (1), 1–17.

Powell, R. and L. Murdoch (2010), 'Patent Fight Erupts over Kakadu plum', *The Sydney Morning Herald*, 4 December, 11.

Pradeep, T. (2008), *Nano: The Essentials*, New York: McGraw-Hill.

Pratt, Mary Louise (1992), *Imperial Eyes: Travel Writing and Transculturation*, London: Routledge.

The Presidential Commission for the Study of Bioethical Issues (2010), *New Directions: The Ethics of Synthetic Biology and Emerging Technologies*, Washington, DC: The Presidential Commission for the Study of

Bioethical Issues, http://www.bioethics.gov/documents/synthetic-biology/PCSBI-Synthetic-Biology-Report-12.16.10.pdf.
The Presidential Commission for the Study of Bioethical Issues (2010), 'Synthetic Biology Meeting Transcripts', http://www.bioethics.gov/transcripts/synthetic-biology/.
The President's Council on Bioethics (2004), *Monitoring Stem Cell Research*, Washington, DC: The President's Council on Bioethics, http://bioethics.georgetown.edu/pcbe/reports/stemcell/.
Pressman, L., R. Burgess and R. Cook-Deegan (2006), 'The Licensing of DNA Patents by US Academic Institutions: An Empirical Survey', *Nature Biotechnology*, **24**, 31–9.
The Program on Climate Change, Agriculture and Food Security (CCAFS), http://www.ccafs.cgiar.org/index.php.
Public Intellectual Property Resource for Agriculture, http://www.pipra.org/.
Pure Wellbeing, http://www.purewellbeing.com/contents/en-uk/d180.html.
Qvenild, M. (2008), 'Svalbard Global Seed Vault: a "Noah's Ark" for the World's Seeds', *Development in Practice*, **18** (1), 110–16.
Radin, Margaret (1996), *Contested Commodities: The Trouble with Trade in Sex, Children, Body Parts and Other Things*, Cambridge, MA: Harvard University Press.
Rai, A. (1999), 'Regulating Scientific Research: Intellectual Property Rights and the Norms of Science', *Northwestern University Law Review*, **94**, 77–152.
Rai, A. (2001), 'Evolving Scientific Norms and Intellectual Property Rights: A Reply to Kieff', *Northwestern University Law Review*, **95**, 707–14.
Rai, Arti (2005), 'Proprietary Rights and Collective Action: The Case of Biotechnology Research with Low Commercial Value', in Keith Maskus and Jerome H. Reichman (eds), *International Public Goods and Transfer of Technology under a Globalized Intellectual Property Regime*, Cambridge: Cambridge University Press, 288–306.
Rai, A. (2010), 'Evidence to The Presidential Commission for the Study of Bioethical Issues, Synthetic Biology', Philadelphia, 13 September.
Rai, Arti (ed.) (2011), *Intellectual Property Law and Biotechnology: Critical Concepts*, Cheltenham and Northampton, MA: Edward Elgar.
Rai, A. and R. Eisenberg (2003), 'Bayh-Dole Reform and the Progress of Biomedicine', *Law and Contemporary Problems*, **66** (1&2), 289–314.
Rajan, Kaushik Sunder (2006), *Biocapital: The Constitution of Post-genomic Life*, Durham: Duke University Press.
Registry of Standard Biological Parts, 'Help: About the Registry', http://partsregistry.org/Help:About_the_Registry.

Registry of Standard Biological Parts, 'Help: Requesting Parts', http://partsregistry.org/Help:Requesting_Parts.
Registry of Standard Biological Parts, 'iGEM 2011: Regions/iGEM Growth', http://2011.igem.org/Regions/iGEM_Growth.
Registry of Standard Biological Parts, 'iGEM 2011: Regions/Overview', http://2011.igem.org/Regions/Overview.
Registry of Standard Biological Parts, 'iGEM: Synthetic Biology Based on Standard Parts', http://ung.igem.org/Main_Page.
Registry of Standard Biological Parts, 'Part:BBa_I742152: Get Part', http://partsregistry.org/partsdb/get_part.cgi?part=BBa_I742152.
Registry of Standard Biological Parts, 'Welcome to the Registry of Standard Biological Parts', http://partsregistry.org/Main_Page.
Reichman, J.H. and P. Uhlir (2003), 'The Public Domain: A Contractually Reconstructed Research Commons for Scientific Data in a Highly Protectionist Intellectual Property Environment', *Law and Contemporary Problems*, **66** (1&2), 315–462.
Reisenfeld, S. (1954), 'The New United States Patent Act in the Light of Comparative Law I', *University of Pennsylvania Law Review*, **102**, 291–322.
Rejeski, D. (2008), 'Comment on a Framework Convention for Nanotechnology', *Environmental Law Reporter*, **38**, 10518–19.
Rettberg, R. (2009), 'Evidence to the US National Academies Opportunities and Challenges in the Emerging Field of Synthetic Biology', Washington, DC, 10 July.
Rewerski, P. (2007), 'The Need for a New US Stem Cell Research Policy: A Comparative Look at International Stem Cell Research Laws', *University of Illinois Journal of Law, Technology and Policy Review*, **1**, 415–31.
Rimmer, M. (2004), 'The Race To Patent The SARS Virus: The TRIPS Agreement And Access To Essential Medicines', *Melbourne Journal of International Law*, **5** (2), 335–74.
Rimmer, M. (2005), 'Japonica Rice: Intellectual Property, Scientific Publishing, and Data-Sharing', *Prometheus*, **23** (3), 325–47.
Rimmer, M. (2007), 'The Genographic Project: Traditional Knowledge and Population Genetics', *Australian Indigenous Law Review*, **11** (2), 33–55.
Rimmer, Matthew (2008), *Intellectual Property and Biotechnology: Biological Inventions*, Cheltenham and Northampton, MA: Edward Elgar.
Rimmer, M. (2009), 'The Sorcerer II Expedition: Intellectual Property and Biodiscovery', *Macquarie Journal of International and Comparative Environmental Law*, **6**, 147–89.
Rimmer, Matthew (2011), *Intellectual Property and Climate Change: Inventing Clean Technologies*, Cheltenham and Northampton, MA: Edward Elgar.

Risch, M. (2009–10), 'Forward to the Past', *Cato Supreme Court Review*, 333–68.
Ritter, M. (2008), 'Scientists Make Human Embryo Clones', *Huffington Post*, 17 January, http://www.huffingtonpost.com/huff-wires/20080117/cloned-embryos.
Ritvo, Harriet (1996), 'Possessing Mother Nature: Genetic Capital in Eighteenth Century Britain', in John Brewer and Susan Staves (eds), *Early Modern Conceptions of Property*, London: Routledge, 413–26.
Robert, J.S. and F. Baylis (2003), 'Crossing Species Boundaries', *American Journal of Bioethics*, **3**, 1–13.
Robertson, J. (1999), 'Two Models of Human Cloning', *Hofstra Law Review*, **27**, 609–38.
Robinson, D.F. (2010), 'Traditional Knowledge and Biological Product Derivative Patents: Benefit Sharing and Patent Issues relating to Camu Camu, Kakadu Plum and Acai Plant Extracts', Traditional Knowledge Bulletin – Topical Issues Series, United Nations University, Institute of Advanced Studies, http://www.unutki.org/news.php?doc_id=174.
Rocco, Fiammetta (2003), *The Miraculous Fever-Tree: Malaria and the Quest for a Cure That Changed the World*, New York: HarperCollins.
The Rockefeller Foundation, 'Strengthening Food Security: Alliance for a Green Revolution in Africa', http://www.rockefellerfoundation.org/what-we-do/current-work/strengthening-food-security-alliance/.
Roco, Mihail and William Sims Bainbridge (2003), *Converging Technologies for Improving Human Performance: Nanotechnology, Biotechnology, Information Technology and Cognitive Science*, AA Dordrecht: Kluwer Academic.
Roco, Mihail and William Sims Bainbridge (eds) (2010), *Societal Implications of Nanoscience and Nanotechnology*, London: Springer.
Rogan, J. (2003), 'Letter to the United States Senate Committee and House Appropriations committees', United States Patent and Trademark Office, 20 November.
Rogers, Ben, Sumita Pannathur and Jesse Adams (2011), *Nanotechnology: Understanding Small Systems*, Taylor and Francis.
Rose, Steven (2005), *Lifelines: Life Beyond the Gene*, London: Vintage.
Rowen., L., G. Wong, R. Lane and L. Hood (2000), 'Publication Rights in the Era of Open Data Release Policies', *Science*, **289** (5486), 1881.
The Royal Society of the United Kingdom (2003), *Keeping Science Open: The Effects Of Intellectual Property Policy on the Conduct of Science*, London: The Royal Society, April, http://www.royalsoc.ac.uk/files/statfiles/document-221.pdf.
The Royal Society of the United Kingdom and the Royal Academy of Engineering (2004), *Nanoscience and Nanotechnologies: Opportunities*

and Uncertainties, London: The Royal Society, http://www.nanotec.org.uk/finalReport.htm.
Ruse, Michael (2010), *Science and Spirituality: Making Room for Faith in the Age of Science*, New York: Cambridge University Press.
Rutt, J.S. (2010), 'Recent Nanotech Patent Trends: Top Ten Observations', Nanocleantech Blog, http://www.nanocleantechblog.com/tags/cleantech-patent-landscape-rep/.
Safrin, S. (2004), 'Hyperownership in a Time of Biotechnological Promise: The International Conflict to Control the Building Blocks of Life', *The American Journal of International Law*, **98** (4), 641–85.
Sage Bionetworks, 'The Sage Commons', http://sagebase.org/commons/index.php.
Sahai, Suman (2002), 'India's Plant Variety Protection and Farmers' Rights Legislation', in Peter Drahos and Ruth Mayne (eds), *Global Intellectual Property Rights: Knowledge, Access, and Development*, New York: Palgrave Macmillan, 214–23.
Salamanca-Buentello, F. et al. (2005) 'Nanotechnology and the Developing World', *Public Library of Science Medicine*, **2** (5), e97, 302.
Salter, B. (2007), 'Patenting, Morality and Human Embryonic Stem Cell Science: Bioethics and Cultural Politics in Europe', *Regenerative Medicine*, **2** (3), 301–11.
Samuelson, P. and J. Schultz (2011), '"Clues" for Determining Whether Business and Service Innovations Are Unpatentable Abstract Ideas', *Lewis and Clark Law Review*, **15**, 110–31.
Sanderson, J. (2006), 'Essential Derivation, Law and the Limits of Science', *Law in Context*, **24** (1), 34–53.
Sanderson, J. and K. Adams (2008), 'Are Plant Breeder's Rights Outdated? A Descriptive and Empirical Assessment of Plant Breeder's Rights in Australia, 1987–2007', *Melbourne University Law Review*, **32** (3), 980–1006.
Sanderson, Katharine (2011), 'Curation Generation', *Nature*, **470**, 295–6.
Sanhai, W., J. Sakamoto, R. Canady and M. Ferrari (2008), 'Seven Challenges for Nanomedicine', *Nature Nanotechnology*, **3**, 242–4.
Sarkar, Sahotra (1996), 'Biological Information: A Sceptical Look at some Central Dogmas of Molecular Biology', in Sahotra Sarkar (ed.), *The Philosophy and History of Molecular Biology: New Perspectives*, Dordrecht: Kluwer Academic, 187–232.
Sarkar, Sahotra (ed.) (1996), *The Philosophy and History of Molecular Biology: New Perspectives*, Dordrecht: Kluwer Academic.
Sarnoff, J. (2011), 'Patent Eligible Inventions after *Bilski:* History and Theory', *Hastings Law Journal*, **63** (forthcoming).

Sarnoff, J. (2011), 'Patent Eligible Inventions after *Bilski, Prometheus*, and *Myriad*', *Texas Intellectual Property Law Journal*, **19** (3), 393–418.
Sarnoff, J. (2011), 'Constitutional Hard Limits on the Patent Power', unpublished draft.
Schadt, E. (2011), 'First Steps on a Long Road', *Science*, **331** (6018), 691.
Schama, Simon (2000), *A History of Britain I: At the Edge of the World? 3000BC–AD1603*, London: BBC.
Schechter, J. (2010), 'Promoting Human Embryonic Stem Cell Research: A Comparison of Policies in the United States and the United Kingdom and Factors Encouraging Advancement', *Texas International Law Journal*, **45** (3), 603–29.
Schiebinger, Londa (2004), *Plants and Empire: Colonial Bioprospecting in the Atlantic World*, Cambridge, MA: Harvard University Press.
Schmidt, C. (2007), 'Negotiating the RNAi Patent Thicket', *Nature Biotechnology*, **25** (3), 273–5.
Schofield, P. et al. (2009), 'Post-Publication Sharing of Data and Tools', *Nature*, **461** (7261), 171–3.
Scott, A. (1999), 'The Dutch Challenge to the Bio-Patenting Directive', *European Intellectual Property Review*, **21** (4), 212–15.
Scrinis, G. and K. Lyons (2007), 'The Emerging Nano-Corporate Paradigm: Nanotechnology and the Transformation of Nature, Food and Agri-Food Systems', *International Journal of Sociology of Food and Agriculture*, **15** (2), 22–44.
Seabrook, J. (2007), 'Sowing for Apocalypse: The Quest for a Global Seed Bank', *The New Yorker,* 27 August, http://www.newyorker.com/reporting/2007/08/27/070827fa_fact_seabrook.
Secretary's Advisory Committee on Genetics, Health and Society (2010), *Gene Patents and Licensing Practices and their Impact on Patient Access to Genetic Tests*, Bethesda, MD: Secretary's Advisory Committee on Genetics, Health, and Society, http://oba.od.nih.gov/oba/sacghs/reports/SACGHS_patents_report_2010.pdf.
Sell, Susan (2009), 'Corporations, Seeds, and Intellectual Property Rights Governance', in Jennifer Clapp and Doris Fuchs (eds), *Corporate Power in Global Agrifood Governance*, Cambridge, MA: MIT Press, 187–224.
Sellenthin, Mark O. (2006), *Beyond the Ivory Tower: A Comparison of Patent Rights Regimes in Sweden and Germany*, Linköping: Linköping Studies in Arts and Science, No. 355.
Senate Standing Committees on Community Affairs Reference Committee (2010), *Gene Patents*, Canberra: Australian Parliament, http://www.aph.gov.au/senate/committee/clac_ctte/gene_patents_43/report/report.pdf.

Senate Standing Committees on Legal and Constitutional Affairs (2011), *Patent Amendment (Human Genes and Biological Materials) Bill* 2010, Canberra: Australian Parliament, http://www.aph.gov.au/senate/committee/legcon_ctte/patent_amendment/index.htm

Shih, A. (2002), 'The Patented Peanut Butter and Jelly Sandwich: Food as Intellectual Property', *Gastronomica*, 23–7.

Shiva, Vandana (2001), *Protect or Plunder? Understanding Intellectual Property Rights*, London: Zed Books.

Shiva, Vandana (2003), 'Food Rights, Free Trade, And Fascism', in Matthew Gibney (ed.), *Globalizing Rights: The Oxford Amnesty Lectures 1999*, Oxford: Oxford University Press, 87–108.

Shiva, Vandana (2008), *Soil Not Oil: Environmental Justice in an Age of Climate Crisis*, South End Press.

Shulman, S. (2001), 'The Morphing Patent Problem', Owning the Future, *Technology Review*, November.

Silver, L. (2007), 'Life 2.0', *Newsweek*, 4 June, 41–5.

Simon, B. (2009), 'How to Get a Fair Share: IP Policies for Publicly Supported Biobanks', *Stanford Journal of Law, Science, and Policy*, **1**, 65–79.

Simondon, G. (1989), *L'individuation Psychique et Collective*, Paris: Aubier.

Skene, L. (2002), 'Ownership of Human Tissue and the Law', *Nature Reviews Genetics*, **3**, 145–8.

Skoblov, M.Y. (2009), 'Prospects of Antisense Therapy Technologies', *Molecular Biology,* **43** (6), 917–29.

Slavid, Ruth (2009), *Extreme Architecture: Building for Challenging Environments*, London: Laurence King Publishers.

Smith, D. (2000), 'Adventures in Lilliput', *The Sydney Morning Herald*, 11 December.

Smith, D. (2008), 'Scientists Attempt Stem Cell Breakthrough', *Sydney Morning Herald*, 17 September.

Smolke, C. (2009), 'Evidence to the US National Academies, Opportunities and Challenges in the Emerging Field of Synthetic Biology', Washington, DC, 9 July.

Sörlin, Sverker and Otto Fagerstedt (2004), *Linné och hans apostlar*, Stockholm: Natur och Kultur.

Spary, E.C. (2003), 'Peaches Which the Patriarchs Lacked: Natural History, Natural Resources, and the Natural Economy in France', *History of Political Economy*, **35**, 15–16.

Staff Writer (2009), 'Researchers: Farmers' Rights to Adapt to Climate Change Ignored', *China Daily*, *Xinhua*, 7 September.

Staff Writer (2010), 'Climate Change Resistant Crops Move Nearer after Gene Breakthrough', *The Telegraph*, 8 January.

Stedman's Medical Dictionary (2005) (28th edn).
Stern, Nicholas (2009), *A Blueprint for a Safer Planet: How to Manage Climate Change and Create a New Era of Progress and Prosperity*, London: The Bodley Head.
Stevens, A. (2010), 'Evidence to The Presidential Commission for the Study of Bioethical Issues, Synthetic Biology, Philadelphia', 13 September.
Stott, M. and J. Valentine (2004), 'Gene Patenting and Medical Research: A View from a Pharmaceutical Company', *Nature Reviews Drug Discovery,* **3**, 364–8.
Stratton, M.R., P. Campbell and A. Futreal (2009), 'The Cancer Genome', *Nature*, **458** (8), 719–24.
Svalbard Global Seed Vault (2008), 'Svalbard Global Seed Vault: Arctic Seed Vault Opens Doors for 100 Million Seeds', Ministry of Agriculture and Food, 26 February, http://www.regjeringen.no/en/dep/lmd/campain/svalbard-global-seed-vault/news/arctic-seed-vault-opens-doors-for-100-mi.html?id=501721.
Svalbard Global Seed Vault (2009), *Frozen Seeds in a Frozen Mountain: How to feed a Warming World? – Anniversary Seminar,* February, http://www.regjeringen.no/upload/LMD/kampanjeSvalbard/Vedlegg/Svalbard_Statement_270208.pdf.
Svalbard Global Seed Vault, 'Frequently Asked Questions', http://www.regjeringen.no/en/dep/lmd/campain/svalbard-global-seed-vault/frequently-asked-questions.html?id=462221.
Svalbard Global Seed Vault, 'Management and Operations', http://www.regjeringen.no/en/dep/lmd/campain/svalbard-global-seed-vault/management-and-operations.html?id=462223.
Swanson, K. (2007), 'Biotech in Court: A Legal Lesson on the Unity of Science', *Social Studies of Science*, **37** (3), 357–84.
Swiderska, Krystyna (2007), 'Protecting Traditional Knowledge: A Framework Based on Customary Laws and Bio-cultural Heritage', in Bertus Haverkort and Stephen Rist (eds), *Endogenous Development and Bio-Cultural Diversity: The Interplay of Worldviews, Globalisation and Locality*, Leusden, Netherlands and Bern, Switzerland: Compas and Centre for Development and Environment, 358–65.
Sylvester, D. and D.M. Bowman (2010), 'English Garden or Tangled Grounds? Navigating the Nanotechnology Patent Landscape', 12 January, http://ssrn.com/abstract=1535650.
Syngenta, http://www.syngenta.com/en/corporate_responsibility/climate change.html.
Synthetic Biology Research Community, 'FAQ – What is Synthetic Biology?' http://syntheticbiology.org/FAQ.html.

Taft, K. and S. Webb (2005), 'United States: Stem Cells: Their Promise, Their Problems', *Mondaq*, 9 March.

Taft, R.J. et al. (2010), 'Non-coding RNAs: Regulators of Disease', *Journal of Pathology*, **220**, 126–39.

Tansey, Geoff and Tamsin Rajotte (eds) (2008), *The Future Control of Food: A Guide to International Negotiations and Rules on Intellectual Property, Biodiversity, and Food Security*, London: Earthscan.

TED (2009), 'Q&A with Cary Fowler: Saving Seeds to Protect Our Food Supply', September, http://blog.ted.com/2009/09/02/qa_with_cary_fo/.

Ten Kate, Kerry and Sarah Laird (1999), *The Commercial Use Of Biodiversity: Access To Genetic Resources And Benefit-Sharing*, London: Earthscan.

The Third World Network (2010), 'Call to Support Farmer and Civil Society Organisations' Application to UPOV For Observer Status', 11 March, http://www.twnside.org.sg/title2/intellectual_property/info.service/2010/ipr.info.100305.htm.

Thomson, J. (2007), 'The Example of Stem Cells', *Hastings Centre Report*, **37** (1), 12–13.

Thomson, J. et al. (1998), 'Embryonic Stem Cell Lines Derived from Human Blastocysts', *Science*, **282** (5391), 1145–7.

Thomson, P. (2007), 'Ethical Aspects and Patents in Lifescience', Paper for the WIPO symposium on IP and Bioethics, Geneva, 4 September, http://www.wipo.int/meetings/en/doc_details.jsp?doc_id=85513.

Thorisson, G. and A.J. Brookes (2009), *IRBW2009 Workshop*, 13–14 May, Meeting Minutes, http://www.gen2phen.org/system/files/private/IRBW2009%20meeting%20minutes%20v2.pdf.

Toronto International Data Release Workshop Authors (2009), 'Prepublication Data Sharing', *Nature*, **461**, 168–70.

Torrance, A. (2010), 'Synthesizing Law for Synthetic Biology', *Minnesota Journal of Law, Science & Technology,* **11** (2), 629–65.

Truss, W. (2002), 'The Plant Breeder's Rights Amendment Bill 2002 (Cth)', House of Representatives, Hansard, 12 December, 10589.

Tullis, T. (2005–2006), 'Application of the Government License Defense to Federally Funded Nanotechnology Research: The Case for a Limited Patent Compulsory Licensing Regime', *University of California, Los Angeles Law Review*, **53,** 279–314.

Twyman, R.M. (2003), 'Silencing is Golden: RNA Interference in Research and Medicine', *Wellcome News,* **36** (Q3) 10–11, http://www.wellcome.ac.uk/News/2003/Features/WTD004556.htm.

United Kingdom Biobank, http://www.ukbiobank.ac.uk/assessment/takepart.php.

United Kingdom Biobank (2011), *Access Procedures: Application and Review Procedures for Access to the UK Biobank Resource,* 31 May, http://www.ukbiobank.ac.uk/procedures/.

United Nations University and the Institute of Advanced Studies (2004), *The Role of Registers and Databases in the Protection of Traditional Knowledge: A Comparative Analysis*, Japan: United Nations University and the Institute of Advanced Studies, http://www.ias.unu.edu/binaries/UNUIAS_TKRegistersReport.pdf.

United States Department of Agriculture (2009), Our Changing Planet: *The U.S. Climate Change Science Program for Fiscal Year 2009*, http://www.usgcrp.gov/usgcrp/Library/ocp2009/ocp2009-usda.htm.

United States Department of Health and Human Services (2010), '1000 Genomes Project Publishes Analysis of Completed Pilot Phase', National Institutes of Health News, Press Release, 27 October, http://www.genome.gov/27541917.

United States Patent and Trademark Office, 'New Cross-Reference Digest for Nanotechnology', http://www.uspto.gov/web/patents/biochempharm/crossref.htm.

United States Patent and Trademark Office (2001), 'Utility Examination Guidelines', *Federal Register*, **66** (4), 1092–9, http://www.uspto.gov/web/offices/com/sol/notices/utilexmguide.pdf.

United States Patent and Trademark Office (2009), 'Pilot Program for Green Technologies Including Greenhouse Gas Reduction', *Federal Register*, **74** (234), 8 December, 64666–9.

University of California Berkeley 2007 iGEM Team (2007), 'Bactoblood', http://parts.mit.edu/igem07/index.php/Berkeley_UC.

Vaidhyanathan, Siva (2006), 'Nanotechnology and the Law of Patents: A Collision Course', in Geoffrey Hunt and Michael Mehta (eds), *Nanotechnology: Risk, Ethics, Law*, London: Earthscan, 225–36.

Van den Belt, Henk (2009), 'Philosophy of Biotechnology', in Anthonie Meijers (ed.) (2009), *Philosophy of Technology and Engineering Sciences*, Amsterdam and London: Elsevier, 1301–40.

Van Dooren, T. (2009), 'Banking Seed: Use and Information in the Conservation of Agricultural Diversity', *Science as Culture*, **18** (4), 373–95.

Van Dooren, T. (2009), 'Genetic Conservation in a Climate of Loss: Thinking with Val Plumwood', *Australian Humanities Review*, **46**, 101–12.

Van Overwalle, Geertrui (2005), 'Legal and Ethical Aspects of Bio-Patenting: the EU Biotechnology Directive', in Peter Drahos (ed.), *Death of Patents*, London: Lawtext Publications, 212–27.

Van Overwalle, G. (ed.) (2009), *Gene Patents and Collaborative Licensing Models: Patent pools, Clearinghouses, Open Source Models and Liability Regimes*, Cambridge: Cambridge University Press.

Van Overwalle, G. (2010), 'Turning Patent Swords into Shares', *Science*, **330**, 1630–31.

Van Overwalle, Geertrui and Esther van Zimmeren (2009), 'Chapter 22 – Functions and Limits of Patent Law', in Erik Claes, Wouter Devroe and Bert Keirsbilck (eds), *Facing the Limits of the Law*, Berlin: Springer.

Van Overwalle, G., E. Van Zimmeren, B. Verbeure and G. Matthijs (2006), 'Models for Facilitating Access to Patents on Genetic Inventions', *Nature Review Genetics*, **7**, 143.

Vaver, D. (2003), 'Invention in Patent Law: A Review and Proposal', *International Journal of Law and Information Technology*, **11**, 286–307.

Veash, N. (2000), 'Biopiracy – A New Threat to Amazon Rainforest's Treasures', *The Independent*, London, 16 October.

Venter, J.C. et al. (2001), 'The Sequence of the Human Genome', *Science*, **291**, 16 February, 1301–4.

Venter, J.C. (2007), *A Life Decoded*, London: Allen Lane and Penguin Books.

Venter, J.C. (2011), 'The Human Genome at 10: Successes and Challenges', *Science*, **331** (6017), 546–7.

Voumard, John (2000), *Commonwealth Public Inquiry into Access to Biological Resources in Commonwealth Areas*, Canberra: Environment Australia, http://www.ea.gov.au/biodiversity/science/access/inquiry/index. html.

Waldby, C. (1999), 'Iatrogenesis: The Visible Human Project and the Reproduction of Life', *Australian Feminist Studies*, **14**, 77–90.

Walsh, F. and J. Douglas (2009), 'Aboriginal Harvesters who sell Bush Foods and Seeds from Central Australia for Food and Mining Revegetation Markets: Their Practices, Priorities and Opinions', Alice Springs: Desert Knowledge Co-operative Research Centre Report.

Walterscheid, Edward (2002), *The Nature of the Intellectual Property Clause: A Study in Historical Perspective*, Buffalo: William S. Hein & Co.

Walterscheid, E.C. (2002), 'To Promote the Progress of Science and Useful Arts: The Anatomy of a Congressional Power', *IDEA*, **43**, 1–82.

Washburn, Jennifer (2005), *University Inc.: The Corporate Corruption of Higher Education*, New York: Basic Books.

Water Efficient Maize for Africa, http://www.aatf-africa.org/wema.

Waters, C. Kenneth (2006), 'A Pluralist Interpretation of Gene-centered Biology', in Stephen Kellert, Helen Longino and C. Kenneth Waters (eds), *Scientific Pluralism: Minnesota Studies in the Philosophy of Science*, vol. 19, Minneapolis: University of Minnesota Press, 190–214.

Webb, James L.A. (2002), *Tropical Pioneers: Human Agency and Ecological Change in the Highlands of Sri Lanka, 1800–1900*, Athens: Ohio University Press.

Webster, Andrew, Nik Brown, Conor Douglas, Graham Lewis, Jane Kaye, Richard Tutton and Nick Williams (2008), *Public Attitudes to Third Party Access and Benefit Sharing: Their Application to UK Biobank,* Final Report to the UK Biobank Ethics and Governance Council, University of York: Science and Technology Studies, University of York, http://www.egcukbiobank.org.uk/assets/wtx052208.pdf.

Weiss, R. (2008), 'Firms Seek Patents on "Climate Ready" Altered Crops', *The Washington Post*, 13 May, A04.

Wellcome Trust (2003), 'Sharing Data from Large-Scale Biological Research Projects: A System of Tripartite Responsibility', Fort Lauderdale, January, http://www.genome.gov/Pages/Research/WellcomeReport0303.pdf.

Wellcome Trust (2010), 'Policy on Data Management and Sharing', August, http://www.wellcome.ac.uk/About-us/Policy/Policy-and-position-statements/wtx035043.htm.

Wells, Spencer (2006), *Deep Ancestry: Inside the Genographic Project*, New York: Penguin Books and National Geographic.

White, A. (2000–1), 'Gene and Compound Per Se Claims: An Appropriate Reward?' *Bio-Science Law Review*, **6**, 239–48.

White, A. (2004), 'The Ethics – Gene Patenting and Human Health', *Australian Intellectual Property Journal*, **15** (1), 6–17.

Wianny, F. and M. Zernicka-Goetz (2000), 'Specific Interference with Gene Function by Double-Stranded RNA in early mouse development', *Nature Cell Biology,* **2**, 70–75.

Widdows, Heather and Caroline Mullen (eds) (2009), *The Governance of Genetic Information*, Cambridge: Cambridge University Press.

Williams-Jones, B. (2002), 'History of a Gene Patent: Tracing the Development and Application of Commercial BRCA Testing', *Health Law Journal*, **10**, 123–46.

Willinsky, John (2006), *The Access Principle: The Case for Open Access to Research and Scholarship*, Cambridge, MA: The MIT Press.

Winickoff, David (2009), 'From Benefit Sharing to Power Sharing: Partnership Governance in Population Genomics Research', in Jane Kaye and Mark Stranger (eds), *Principles and Practice of Biobank Governance*, Cheltenham: Ashgate, 53–66.

Winickoff, D. et al. (2009), 'Opening Stem Cell Research and Development: A Policy Proposal for the Management of Data, Intellectual Property, and Ethics', *Yale Journal Health Policy, Law & Ethics*, **9**, 52–127.

Winston, E. (2011), 'The Technological Edge', *Akron Intellectual Property Law Journal*, 1–25, http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1692836.

Wolfson, M. et al. (2010), 'DataSHIELD: Resolving a Conflict in Contemporary Bioscience – Performing a Pooled Analysis of Individual-Level Data Without Sharing the Data', *International Journal of Epidemiology*, **39**, 1372–82.

Würtenberger, G. (2009), 'An Analysis of the European and International Plant Variety Protection Systems', *Journal of Intellectual Property Law and Practice*, **4**, 914–15.

Wynberg, R. and S. Laird (2007), '"Less is often more" Governance of a Non-timber Forest Product, Marula (Sclerocarya birrea subsp. Caffra) in Southern Africa', *International Forestry Review,* **9** (1), 475–89.

Wynberg, Rachel, Doris Schroeder, Samantha Williams and Saskia Vermeylen (2009), 'Sharing Benefits Fairly: Decision Making and Governance', in Rachel Wynberg, Doris Schroder and Roger Chennells (eds), *Indigenous Peoples, Consent and Benefit Sharing: Lessons from the San Hoodia Case*, Dordrecht: Springer, 231–60.

Yates, P. (2009), 'The Bush Foods Industry and Poverty Alleviation in Central Australia', *Dialogue*, **28** (2), 47–56.

You, E. (2010), 'Evidence to the Presidential Commission for the Study of Bioethical Issues, Synthetic Biology', Washington, DC, 9 July.

Yuille, M. et al. (2007), 'Biobanking for Europe', *Briefings in Bioinformatics*, **9**, 14–24.

Yuille, M. et al. (2010), 'The UK DNA Banking Network: A "Fair Access" Biobank', *Cell Tissue Bank*, **11**(3), 241–51.

Zamore, P.D. and B. Haley (2005), 'Ribo-gnome: The Big World of Small RNAs', *Science*, **309**, 1519–24.

Zamore, P.D., T. Tuschl, P.A. Sharp and D.P. Bartel (2000), 'RNAi: Double-Stranded RNA Directs the ATP-Dependent Cleavage of mRNA at 21 to 23 Nucleotide Intervals', *Cell*, **101**, 25–33.

Zovko, N. (2006), 'Nanotechnology and the Experimental Use Defense to Patent Infringement', *McGeorge Law Review*, **37** (1), 129–56.

PATENT AND TRADEMARK APPLICATIONS

Agrigenetics, Inc. and Mycogen Seeds (Dow Agrosciences)(2003), 'Inbred corn line BE1146BMR', United States Patent No. 7,273,970.

Agrigenetics, Inc., and Mycogen Seeds (Dow Agrosciences) (2003), 'Inbred corn line 4VP500 Drought Heat', United States Patent Application No. US20050076401A1.

Anderson D. and D. Stemple (1995), 'Mammalian Multipotent Neural Stem Cells', European Patent No. EP0658194.

Anderson, D. and D. Stemple (1995), 'Mammalian Multipotent Neural Stem Cells', European Patent No. EP 93921175 (21 June 1995).

Bayer Bioscience N.V. (2005), 'Stress tolerant cotton plants', World Intellectual Property Organisation Patent Cooperation Treaty Application No. WO06045633A1.

Bayer CropScience GmbH (2006), 'Active substances for increasing the stress defense in plants to abiotic stress, and methods of finding them', United States Patent Application No. US20070124839A1.

Bodnar, A. (2004), 'Methods and materials for the growth of primate-derived primordial stem cells in feeder-free culture', United States Patent No. 6,800,480, 5 October.

Brüstle, O. (2010), 'Neural Precursor Cells, Method for the Production and Use Thereof in Neural Defect Therapy', European Patent No. EP1040185.

Da Costa, S. (2007), 'Transcription Factor Stress-Related Proteins and Methods of Use in Plants', United States Patent No. 7,619,137.

Evogene (2009), 'Polynucleotides, Plolypeptides Encoded Thereby, and Methods of Using Same for Increasing Abiotic Stress Tolerance and/or Biomass and/or Yield in Plants Expressing Same', World Intellectual Property Organization Patent Cooperation Treaty Application No. WO/2009/013750.

Heard, J. and others (2006), 'Plant Transcriptional Regulators', United States Patent No. 7,663,025.

Jarlmadangah Burru Aboriginal Corporation and Griffith University (2008), 'Novel Compounds', Australian Patent Application No. 2008905126 (patent has since lapsed).

Jarlmadangah Burru Aboriginal Corporation and Griffith University (2008), 'Novel Compounds', Australian Patent Application No. 2004293125.

Jarlmadangah Burru Aboriginal Corporation and Griffith University (2008), 'Novel Compounds', Australian Patent Application No. 2003906558 (lapsed).

Jarlmadangah Burru Aboriginal Corporation and Griffith University (2009), Australian Patent Application No. 2009904829 (filed and under examination).

Jones, B., D. Gan, J. Aravena and M. Hines (2007), 'Compositions Comprising Kakadu Plum Extract or Acai Berry Extract', Australian Patent Application No. 2007205838.

Kaufman, D. and J. Thomson (2001), 'Hematopoietic Differentiation of Human Pluripotent Embryonic Stem Cells', United States Patent No. 6,280,718.

Leder, P. and T. Stewart (1988), 'Transgenic Non-Human Mammals', United States Patent No. 4,736,866.

Leder, P. and T. Stewart, Harvard College (1986), 'Method for Producing Transgenic Animals', European Patent No. EP 0169672.

Mandalam, R. and C. Xu, Geron Corporation, 'Medium for Growing Human Embryonic Stem Cells', United States Patent No. 7,297,539 ('Geron patent').

Mary Kay Inc. et al. (2006), 'Compositions Comprising Kakadu Plum Extract or Acai Berry Extract', World Intellectual Property Organization Patent Cooperation Treaty Application, No. WO/2007/084998 filed on 19 January 2007, priority date 19 January 2006 possible owing to a United States patent.

Mendel Biotechnology Inc. (2003), 'Plant Transcriptional Regulators of Drought Stress', United States Patent Application No. US20070240243A9.

Mendel Biotechnology, Inc. (2005), 'Plant Stress Tolerance from Modified AP2 Transcription Factors', World Intellectual Property Organization Patent Cooperation Treaty Application No. WO06069201A3.

Mendel Biotechnology, Inc. (2006), 'Stress Tolerance in Plants may Include Salt, Hyperosmotic Stress, Heat, Cold, Drought, or Low Nitrogen Conditions', World Intellectual Property Organization Patent Cooperation Treaty Application No. WO07028165C1.

Monsanto (2004), 'Rice Nucleic Acid Molecules and Other Molecules Associated with Plants and Uses Thereof for Plant Improvement', United States Patent Application No. US 2004/0123343 A1.

Monsanto (2009), 'Drought Tolerant Corn with Reduced Mycotoxin', World Intellectual Property Organization Patent Cooperation Treaty Application No. WO/2009/049110.

Petitte, J. and Z. Yang (2004), 'Method of Producing an Avian Embryonic Stem Cell Culture and the Avian Embryonic Stem Cell Culture Produced by the Process', United States Patent No. 5,340,740.

Schaffer, A. (1998), 'Method for Breeding Tomatoes having Reduced Water Content and Product of the Method', European Patent Application No. 00940724.

Seaborg, G. (1964), 'Element 95 [Americium] and Method of Producing Said Element', United States Patent No. 3,156,523.

Seaborg, G. (1964), 'Element 96 [Curium] and Compositions Thereof', United States Patent No. 3,161,462.

Seidman, E. and Y. Theoret (1999), 'Method of Treating IBD/Crohn's Disease and Related Conditions wherein Drug Metabolite Levels in Host Blood Cells Determine Subsequent Dosage', United States Patent No. 6,355,623.
Seidman, E. and Y. Theoret (2001), 'Methods of Optimizing Drug Therapeutic Efficacy for Treatment of Immune-mediated Gastrointestinal Disorders', United States Patent No. 6,680,302.
Simons, M. (1992), 'Intron Sequence Analysis Method for Detection of Adjacent and Remote locus alleles as Haplotypes', United States Patent No. 5,612,179.
Simons, M. (1994), 'Genomic Mapping Method by Direct Haplotyping using Intron Sequence Analysis', United States Patent No. 5,851,762.
Sivasankar, S., T. Helentjaris and D. Xu (2004), 'Transcriptional Activators involved in Abiotic Stress Tolerance', United States Patent No. 7,253,000.
Sivasankar, S., T. Helentjaris, D. Xu and A. Lyznik (2006), 'Transcriptional Activators involved in Abiotic Stress Tolerance', United States Patent No. 7,317,141.
Sivasankar, S., D. Selinger and N. Brugiere (2009), 'Transcriptional Activators Involved in Abiotic Stress Tolerance', WIPO Publication No: WO/2009/094527.
Smith, A. (1996), 'Isolation, Selection And Propagation Of Animal Transgenic Stem Cells', European Patent No. EP695351 ('Edinburgh patent').
Thomson, J. (1997), 'Primate Embryonic Stem Cells', European Patent No. EP 0770125.
Thomson, J. (1998), 'Primate Embryonic Stem Cells', United States Patent No. 5,843,780.
Thomson, J. (2001), 'Primate Embryonic Stem Cells', United States Patent No. 6,200,806.
Thomson, J. (2006), 'Primate Embryonic Stem Cells', United States Patent No. 7,029,913.

CASE LAW

Altana Pharma AG v. *Teva Pharmaceuticals USA, Inc.*, 566 F.3d 999 (2009).
Amazon.com v. *Canada (Attorney General)* (2010), F.C.J. 1209.
American Fruit Growers, Inc. v. *Brogdex Co.*, 283 U.S. 1 (1931).
American Wood-Paper Co. v. *Fibre Disintegrating Co.,* 90 U.S. (23 Wall.) 566, 593–94 (1874).
Anderson's-Black Rock, Inc. v. *Pavement Salvage Co*., 396 U.S. 57 (1969).
Ansonia Brass & Copper Co. v. *Elec. Supply Co*., 144 U.S. 11, 18 (1892).

Ariad Pharmaceuticals., Inc. v. *Eli Lilly & Co.*, 598 F.3d 1336 (Fed. Cir. 2010) (en banc).
Association for Molecular Pathology et al. v. *United States Patent and Trademark Office, Myriad Genetics, et al.* 702 F. Supp. 2d 181, (S.D.N.Y. 2010), *appeal docketed,* No. 2010–1406 (Fed. Cir. June 22, 2010).
Association for Molecular Pathology et al. v. *United States Patent and Trademark Office, Myriad Genetics, et al.* 653 F.3d 1329, 2011 WL 3211513 (C.A. Fed. (N.Y.)), 99 USPQ 2d 1398.
Bilski v. *Kappos*, 130 S. Ct. 3218 (2010).
Bonito Boats v. *Thunder Craft Boats*, 489 U.S. 141 (1989).
Boulton v. *Bull* (1795) 2 H. Bl. 463.
Brenner v. *Manson*, 383 U.S. 519 (1966).
California/Stem Cells (T 522/04) 2009 EPOR 45.
Cancer Voices Australia et al. v. *Myriad Genetics Inc*. *et al*. (2010), Federal Court of Australia, Statement of Claim, 8 June.
Carnegie Mellon University v. *Hoffman-La Roche* 541 F 3d. 1115 (2008).
Classen v. *Biogen*, WDQ-04–2607 (2006).
Classen v. *Biogen*, 304 Fed. Appx. 866 (2008).
Classen v. *Biogen*, 2010 U.S. LEXIS 5533 (2010).
Cochrane v. *Badische Anilin & Soda Fabrik*, 111 U.S. 293 (1884).
Cochrane v. *Deener*, 94 U.S. 780 (1887).
CSIRO v. *Buffalo Technology Inc*. 542 F.3d 1363 (2008).
Cultivaust v. *Grain Pool Pty Ltd* [2004] FCA 638.
Cultivaust v. *Grain Pool Pty Ltd* [2005] FCAFC 223.
Daiichi Sankyo Co., Ltd. v. *Matrix Labs., Ltd*., 619 F.3d 1346 (Fed. Cir. 2010).
Dash v. *Van Kleeck*, 7 Jonhs 477 (Sup Ct of Judicature, 1811).
Decision Revoking the European Patent (art. 102(1), (3) EPC) (Eur. Pat. Office May 17, 2004) (revoking European Patent No. 0699754).
Decision of the Technical Board of Appeal T1213/05 -3.3.04 (arts. 52(2), 53(a), 54, 56, 57, 83, 84, 87 to 89, 111(1),112(1)(a), 123(2)(3) EPC) (European Patent Office Sept. 27, 2007) (reviewing the Interlocutory decision of the Opposition Division of the European Patent Office of 19 September 2005 concerning European patent No. 0705902, maintained in amended form).
Diamond v. *Chakrabarty*, 447 U.S. 303 (1980).
Diamond v. *Diehr*, 450 U.S. 175 (1981).
Dolbear v. *American Bell Telephone Co.*, 126 U.S. 1 (1888).
Edinburgh case T1079/03.
Eisai Co. Ltd. v. *Dr. Reddy's Labs., Ltd*., 533 F.3d 1353, 1359 (Fed. Cir. 2008).
Eldred v. *Ashcroft*, 537 U.S. 186 (2002).

Eli Lilly and Co. v. *Human Genome Sciences, Inc.,* [2008] EWHC 1903 (High Court of Justice – Patents Court).
European Court of Justice (2011), 'Opinion of the Advocate General in Case C-34/10', Press Release, No 18/11, 10 March, 1.
Euthanasia Compositions/ Michigan State University (2005), T 0866/01; http://www.epo.org/law-practice/case-law-appeals/recent/t010866eu1.html.
Evans v. *Eaton*, 8 F. Cas. 846 (C.C.D. Pa. 1816) (No. 4,559).
Foundation for Taxpayer and Consumer Rights and the Public Patent Foundation, *Request for re-examination in respect of US Patent No 5,843,780* (2006) PUBPAT http://www.pubpat.org/assets/files/warfstemcell/780Request.pdf.
Foundation for Taxpayer and Consumer Rights v. *Patent of Wisconsin Alumni Research Foundation* (Appeal 2010–001854), the Board of Patent Appeals and Interference http://www.consumerwatchdog.org/resources/WARFDecision042910.pdf.
Foundation for Taxpayer and Consumer Rights v. *Wisconsin Alumni Research Foundation*, BPAI No 2010–001854 (28 April 2010).
Funk Brothers Seed Co. v. *Kalo Inoculant Co*., 333 U.S. 127 (1948).
Genetic Technologies Limited v. *Berkman Coulter Inc. et al.* (2010), United States District Court for the Western District of Wisconsin, Civil Action No. 10 CV 0069.
Genetic Technologies Ltd. v. American Esoteric Laboratories et al. (2011) United States District Court for the Western District of Texas, 1:11-cv-00057.
Golan v. *Holder*, 609 F.3d 1076 (10th Cir. 2010), 501 F.3d 1179 (10th Cir. 2009), *cert granted*, 131 S.Ct. 1600 (2011).
Gottschalk v. *Benson*, 409 U.S. 63 (1972).
Graham v. *John Deere*, 383 U.S. 1 (1966).
Grain Pool Of Western Australia v. *Commonwealth* (2000) 46 IPR 515.
Greenpeace v. *Oliver Brüstle* Decision of the German Bundespatentgericht (BPatG) of 5 Dec 2006, 3 Ni 42/04.
Hartranft v. *Wiegmann,* 121 U.S. 609 (1887).
Harvard/Onco-mouse [1989] OJ EPO 451.
Harvard/Onco-mouse [1990] OJ EPO 490 (TBA).
Harvard/Transgenic Animals, T315/03 [2006] OJ EPO 15.
Harvard College v. *Canada (Commissioner of Patents)* 2002 SCC 76.
Hoffman v. *Monsanto Canada Inc*., 2007 SKCA 47 (CanLII).
Howard Florey Institute/Relaxin. Decision of Technical Board of Appeal 3.3.1 dated 30 August 1994 (1995) *Office Journal of the EPO* 6: 373–455, 400.
In re Alappat, 33 F.3d 1526 (Fed. Cir. 1994).

In re Bilski, 545 F.3d 943 (Fed. Cir., 2008).
In re Fisher, 421 F.3d 1365 (Fed. Cir. 2005).
In re Grams, 888 F.2d 835 (1989).
In re Kubin 561 F. 3d 1351 (Fed. Cir. 2009).
In re Meyer, 688 F.2d 789, (CCPA 1982).
In re Thuau, 135 F.2d 344 (C.C.P.A. 1943).
Industries Ltd. v. *Commissioner of Patents*, [1986] 3 F.C. 40.
Integra Life Sciences I Ltd. v. *Merck KgA* 331 F. 3d 860 (2003).
Intel v. *CSIRO* 455 F.3d 1364, 79 U.S.P.Q.2d 1508, C.A.Fed. (Cal.), July 14, 2006).
JEM Ag Supply Inc v. *Pioneer Hi-Bred International Inc* 534 US 124 (2001).
Jungerson v. *Ostby and Barton Co*, 335 US 560, 80 USPQ 32 (1948).
KSR International Co. v. *Teleflex Inc.* 550 US 398 (2007).
Laboratory Corporation of American Holdings v. *Metabolite Laboratories, Inc.* 548 U.S. 124 (2006).
Le Roy v. *Tatham*, 55 U.S. (14 How.) 156 (1853).
Loctite Corp. v. *Ultraseal Ltd*. 781 F.2d 861 (Fed. Cir. 1985).
Lowell v. *Lewis*, 15 Fed Cas 1018 (1817).
Mackay Radio & Tel. Co. v. *Radio Corp. of America*, 306 U.S. 86 (1939).
Mayo Collaborative Services v. *Prometheus Laboratories, Inc.*, *cert. granted*, __ U.S. __, 2011 WL 973139 (U.S. June 20, 2011) (No. 10–1150).
Metabolite Laboratories, Inc. v. *Laboratory Corporation of America Holdings*, 370 F.3d 1354 (Fed. Cir. 2004).
Microsoft v. *CSIRO* 2007 WL 4376104, E.D.Tex.
Monsanto Canada Inc. v. *Schmeiser* (2004) SCC 34; 2004 SCC 34.
Monsanto Technology LLC v. *Cefetra BV and others*, No. C-428/08, ¶¶ 33–50, European Court of Justice (6 July 2010).
Morton v. *New York Eye Infirmary,* 17 F. Cas. 879, 881–82 (C.C.S.D.N.Y. 1862) (No. 9,865).
National Research Development Corporation v. *Commissioner of Patents* (1959) 102 CLR 279.
Netherlands v. *European Parliament* (2001) 3 CMLR 49.
Nicotinic Acid Compositions for Treating Hyperlipidemia, Case G 0002/08, EPO Enlarged Board of Appeal ¶ 5.3 (2010).
O'Reilly v. *Morse*, 56 U.S. (15 How.) 62 (1854).
Oliver Brüstle v. *Greenpeace eV* (Case C-34/10) (Opinion of Advocate General Bot) (10 March 2011).
Oliver Brüstle v. *Greenpeace eV* (Case C-34/10), Judgment of the European Court of Justice (Grand Chamber) (18 October 2011).
Opinion of the Enlarged Board of Appeal of 12 May 2010 in relation to a Point of Law referred by the President of the European Patent Office Pursuant to Article 112(1)(b) of the EPC, Case G 003/08.

Parke-Davis & Co. v. *H. K. Mulford Co.,* 189 F. 95 (S.D.N.Y. 1911), affirmed 196 F. 496 (2d Cir. 1912).
Parker v. *Flook*, 437 U.S. 584 (1978).
Plant Genetic Systems/Glutamine Synthetase Inhibitors [1995] EPOR 357.
Prometheus Laboratories, Inc. v. *Mayo Collaborative Services*, No. 04-CV-1200, 2008 WL 878910 (S.D. Cal. Mar. 28, 2008).
Prometheus Laboratories, Inc. v. *Mayo Collaborative Services*, 581 F.3d 1336 (2009).
Prometheus Laboratories Inc. v. *Mayo Collaborative Services* No. 2008–1403, 2010 WL 5175124 (Dec. 17, 2010).
Research Corp. Techs., Inc. v. *Microsoft Corp.*, 627 F.3d 859, 868 (Fed. Cir. 2010).
Rivett v. *Monsanto Canada Inc*., 2010 FCA 207 (2010).
Rubber-Tip Pencil Co. v. *Howard,* 87 U.S. (20 Wall.) 498 (1874).
Sacker Potatoes Ltd v *C Meijer BV* (Unreported, October 31, 2001).
Sakraida v. *Ag-Pro, Inc*. 425 U.S. 273 (1976).
Sample v. *Monsanto* (United States District Court for the Eastern District of Missouri, 2003), https://ecf.moed.uscourts.gov/documents/opinions/BLADES_V_MONSANTO_CO-RWS-397.PDF.
State of Israel – Ministry of Agriculture v. *Unilever* T1242/06 – 3.3.04 (4 April 2008), EPO Boards of Appeal Decision, http://legal.european-patent-office.org/dg3/biblio/t061242ex1.htm; currently under review by the Enlarged Board of Appeals.
Stem Cells/WARF (T 1374/04) EPO OJ 2007, 313 ('*Stem Cells/WARF*').
Tennessee Eastman Co. v. *Commissioner of Patents*, [1974] S.C.R. 111.
Terrett v. *Taylor*, 9 Cr 43 (1815).
Tol-O-Matic Inc v. *Promo Produkt-und Marketing Gesellschaft MbH*, 945 F 2d 1546 (1991).
Transgenic animals/Harvard (T 315/03) [2006] 1 OJ EPO 15, [2005] EPOR 31.
Wisconsin Alumni Research Foundation (G 0002/06) EPO OJ 2009, 306.

APPELLATE AND AMICUS CURIAE BRIEFS

American Association for Retired Persons (2005), 'Brief Amicus Curiae of AARP in Support of Petitioner in *Laboratory Corp. of America Holdings v. Metabolite Laboratories, Inc.*', 2005 WL 3597809, 23 December.
American College of Medical Genetics et al. (2009), 'Corrected Brief for the American College of Medical Genetics in *Prometheus Laboratories, Inc.* v. *Mayo Collaborative Services*., No. 2008–1403, 2009 WL 1307167, 6 April.

American Medical Association *et al*. (2010), 'Brief for Amici Curiae American Medical Association. *et al*. In Support of Plaintiffs' Opposition to Defendants' Motion to Dismiss and in Support of Plaintiffs' Motion for Summary Judgment', in *Association for Molecular Pathology et al*. v. *United States Patent and Trademark Office et al*. (S.D.N.Y. Apr. 5), 8–9, ('AMA *Myriad* D.Ct. Brief').

Appellate Brief (2009), 'The Brief of the Appellant in *Prometheus Labs., Inc.* v. *Mayo Collaborative Services*., No. 2008–1403, 2009 WL 327984, 9 January' ('Prometheus Appellants Brief').

Appellate Brief (2010), 'Brief for the Appellants in the *Association for Molecular Pathology et al*. v. *United States Patent and Trademark Office et al*., No. 2010–1406 (Fed. Cir), 2010 WL 4600106, 22 October' ('*Myriad* Appellants Brief').

Appellate Brief (2011), 'Brief of Nine Law Professors as *Amici Curiae* in Support of Petitioners', *Prometheus Laboratories, Inc.* v. *Mayo Collaborative Services*, No. 10–1150, 9 September.

Appellate Brief (2011), 'Plaintiffs-Appellees' Petition for Panel Rehearing', *Association for Molecular Pathology et al.* v. *United States Patent and Trademark Office et al.* (Fed. Cir.) (No. 2010–1406), 25 August.

BASF Corporation, 'Brief in Support of the Respondent in *J.E.M. Ag Supply, Inc.* v. *Pioneer Hi-Bred International, Inc*.', 2001 WL 689271 (U.S.) (Appellate Brief).

Biotechnology Industry Organization, 'Brief in Support of the Respondent in *J.E.M. Ag Supply, Inc.* v. *Pioneer Hi-Bred International Inc.*', 2001 WL 689273 (U.S.) (Appellate Brief).

Council of Canadians, 'Intervenor in *Monsanto Canada Inc.* v. *Schmeiser* (2004) SCC 34', http://www.canadians.org/food/documents/COC_Affidavit.pdf.

Eleven Law Professors and the American Association for Retired Persons (2009), 'Brief of Eleven Law Professors and AARP as *Amici Curiae* in Support of Respondent in *Bilski* v. *Kappos*', 2009 WL 3167954, 2 October, ('AARP *Bilski* Brief').

ETC Group, 'Intervenor in *Monsanto Canada Inc.* v. *Schmeiser* (2004) SCC 34', http://www.canadians.org/food/documents/ETC_Affidavit.pdf.

The Foundation for Taxpayer and Consumer Rights and the Public Patent Foundation (2006), 'Request for *Ex Parte* Re-examination' in respect of US Patent No. 5,843,780, http://www.pubpat.org/assets/files/warfstemcell/780Request.pdf.

Gilead Sciences, Inc., Biogenerator, and Elan Pharmaceuticals, Inc. (2010), 'Brief of Amici Curiae Gilead Sciences, Inc., Biogenerator, and Elan Pharmaceuticals, Inc. in Support of Defendants-Appellants and Urging Reversal' in *Association for Molecular Pathology et al*. v. *United States*

Patent and Trademark Office et al.', No. 2010–1406, 2010 WL 5306804 (Fed. Cir.), 29 October.

Interested Patent Law Professors (2003), 'Brief of *Amici Curiae* Interested Patent Law Professors in Support of Neither Part in *Prometheus Laboratories, Inc.* v. *Mayo Collaborative Services*', No. 2008–1403, 2009 WL 462602, 21 January.

Research Foundation for Science, Technology, and Ecology, 'Intervenor in *Monsanto Canada Inc.* v. *Schmeiser* (2004) SCC 34', http://www.canadians.org/food/documents/RSTE_Affidavit.pdf.

Ten Law Professors (2008), 'Brief of *Amici Curiae* Ten Law Professors in Support of Appellee Director of the United States Patent and Trademark Office in the matter of *In re Bilski*', 2008 WL 1842283 (Fed. Cir. 2008) (en banc).

United States (2010), 'Brief for the United States as Amicus Curiae in Support of Neither Party at 18, *Association for Molecular Pathology et al.* v. *United States Patent and Trademark Office et al.*', No. 2010–1406 2010 WL 4853320 (Fed. Cir.), 29 October, 18, ('USG *Myriad* Brief').

LEGISLATION

21st Century Nanotechnology Research and Development Act 2003 (US)

Aboriginal Land Rights Act 1974 (NT).

Aboriginal Land Rights (Northern Territory) Act 1976 (Cth).

African Model Legislation for the Protection of the Rights of Local Communities, Farmers and Breeders, and for the Regulation of Access to Genetic Resources 2000 http://www.cbd.int/doc/measures/abs/msr-abs-oau-en.pdf.

An Act Concerning Monopolies and Dispensations with Penal Laws and Forfeitures Thereof 2 1 Jac. I c. 3 9 (the *Statute of Monopolies* 1624 (UK)).

Australian Constitution.

Biodiscovery Act 2004 (Qld).

Biological Resources Act 2006 (NT).

Constitution of the United States of America.

Environment Protection and Biodiversity Conservation Act 1999 (Cth).

Genomic Research and Accessibility Act 2007 (US).

Human Tissue Act 2004 (UK).

Intellectual Property Code of the Philippines (Republic Act 8293) (Philippines).

Land Rights Act 1976 (NT).

Leahy-Smith America Invents Act, Pub. L. 112−29, §§ 14(a), 125 Stat. 284, 327 (2011).
Native Title Act 1993 (Cth).
Patent Act 1952 (US).
Patent Act 1985 (RSC).
Patent Amendment (Human Genes and Biological Materials) Bill 2010 (Cth).
Patent Law of the People's Republic of China 2000 (China).
Patent Reform Act of 2007 (US).
The Patent Reform Act of 2011 (US).
Patents Act 1970 (India).
Patents Act 1990 (Cth).
Patents and Plant Variety Rights (Compulsory Licensing) Regulations 2002 (UK).
Patents Bill 2008 (NZ).
Plant Breeder's Rights Act 1994 (Cth).
Plant Breeder's Rights Amendment Act 2002 (Cth).
Plant Patent Act 1930 (US).
Plant Varieties Act 1997 (UK).
Plant Variety Protection Act 1970 (US).
Plant Variety Protection and Farmers' Rights Act 2001 (India).
Plant Variety Rights Act 1987 (Cth).
Privacy Act 1988 (Cth).
Stem Cell Research and Cures Act 2004 (California).
Territory Parks and Wildlife Act 2010 (NT).
United States Code (U.S.C.) Title 35 – Patents.
University and Small Business Patent Procedures Act 1980 (United States) (the '*Bayh-Dole Act*') 35 U.S.C. § 200–212 (1980).

INTERNATIONAL MATERIALS

Ad Hoc Working Group on Long-term Co-operative Action under the *United Nations Framework Convention on Climate Change* (2009), 'Report', Seventh Session held in Bangkok from 28 September to October 2009, and Barcelona from 2 to 6 November, FCCC/AWGLCA/2009/14, 20 November.
Ad Hoc Working Group on Long-term Co-operative Action under the *United Nations Framework Convention on Climate Change* (2010), 'Work Undertaken by the Conference of the Parties at its Fifteenth Session on the Basis of the Report of the Ad Hoc Working Group on Long-term

Cooperative Action Under the Convention', FCCC/CP/2010/2, 11 February, http://unfccc.int/resource/docs/2010/cop16/eng/02.pdf.

The Australian Government (2005), 'Submission to the *Ad Hoc Open-ended Working Group on Access and Benefit Sharing* under the CBD', UNEP/CBD/WG-ABS/3/INF/1/Add.1, 25 January.

The Australian Government (2009), 'Submission on Development of Elements of sui generis Systems of the Protection of Traditional Knowledge, Innovations and Practices', Ad Hoc Open Ended Working Group Inter-sessional working group on Article 8(j) and related provisions of the Convention on Biological Diversity, Sixth meeting, Montreal 2–6 November.

Barroso, José Manuel (2009), 'Remarks at World Summit on Food Security', November, http://www.fao.org/fileadmin/templates/wsfs/Summit/Statements_PDF/Monday_16_AM/12_EU_Barroso_speech_161109 AM.pdf.

Council of Europe Recommendation 1213 on developments in biotechnology and the consequences for agriculture [1993]. Assembly debate on 12 May 1993 (34th sitting) (see Doc. 6780, Report of the Committee on Agriculture, Rapporteur: Mr Gonzalez Laxe). Text adopted by the Assembly on 13 May 1993 (36th Sitting).

De Schutter, Olivier (2009), *Seed Policies and the Right to Food: Enhancing Agrobiodiversity and Encouraging Innovation*, United Nations General Assembly, A/64/170, http://www.ip-watch.org/weblog/wp-content/uploads/2009/11/n0942473.pdf.

European Parliament Resolution on the Patenting of BRCA1 and BRCA2 ('Breast Cancer') Genes, Texts Adopted by Parliament, Provisional Edition: 04/10/2001, B5–0633, 0641, 0651 and 0663/2001.

European Parliament Resolution on Patents for Biotechnological Inventions, P6_TA (2005) 0407, 26 October 2005, http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:C:2006:272E:0440:0442:EN:PDF.

European Parliament Resolution on Trade and Climate Change, 29 November 2007, (2007/2003 (INI)), http://www.europarl.europa.eu/sides/getDoc.do?Type=TA&Reference=P6-TA-2007–0576&language=EN.

European Parliament Resolution on Regulatory Aspects of Nanomaterials, 24 April 2009, http://www.europarl.europa.eu/sides/getDoc.do?type=TA&reference=P6-TA-2009–0328&language=EN.

Gurry, F. (2008), 'Statement to the Forty-Second Ordinary Session of the International Union for the Protection of New Varieties of Plants', 30 October, http://www.upov.int/en/documents/c/42/c_42_21.pdf.

Human Genome Organization (1995), 'HUGO Statement on Patenting of DNA Sequences', http://www.hugo-international.org/PDFs/Statement%20on%20Patenting%20of%20DNA%20Sequences%202000.pdf.

Human Genome Organization (1996), 'Summary of Principles Agreed at the First International Strategy Meeting on Human Genome Sequencing', http://www.ornl.gov/sci/techresources/Human_Genome/research/bermuda.shtml#.

International Union for the Protection of New Varieties of Plants (2005) *UPOV Report on the Impact of Plant Variety Protection*, Geneva: International Union for the Protection of New Varieties of Plants, http://www.upov.int/en/publications/pdf/353_upov_report.pdf.

Moon, Ban Ki (2009), 'Opening Remarks at World Summit on Food Security', November, http://www.fao.org/fileadmin/templates/wsfs/Summit/Statements_PDF/Monday_16_AM/01b_BAN_KI_MOON_SG_Speech_161109AM_01.pdf.

Organisation for Economic Co-operation and Development (OECD) (2004), *Patents and Innovation: Trends and Policy Changes*, Paris: OECD.

Organisation for Economic Co-operation and Development (OECD) (2006), *Creation and Governance of Human Genetic Research Databases*, Paris: OECD Publishing, 35, http://www.oecd.org/document/50/0,3343,en_2649_34537_37646258_1_1_1_1,00.html ('OECD Creation and Governance Report').

Organisation for Economic Co-operation and Development (OECD), (2006), *Guidelines for the Licensing of Genetic Inventions,* Paris: OECD.

Organisation for Economic Co-operation and Development (OECD) (2008), 'Compendium of Patent Statistics 2008,' http://www.oecd.org/dataoecd/5/19/37569377.pdf.

Organisation for Economic Co-operation and Development (OECD) (2009), *Guidelines on Human Biobanks and Genetic Research Databases*, Paris: OECD Publishing, http://www.oecd.org/sti/biotechnology/hbgrd ('OECD Biobank Guidelines').

Organisation for Economic Co-operation and Development (OECD) (2010), *The Patent System and Research Freedom: a Comparative Study*, Working Paper, Doc. No. SCP/15/3, Annex VI.

Oxford Statement on International Data Sharing 2010 (draft), http://helexoxford.com/content/oxford-statement-data-sharing.

Secretariat of the Convention on Biological Diversity (2008), *Access and Benefit-sharing in Practice: Trends in Partnerships Across Sectors,* Montreal: CBD Technical Series No. 38.

Secretariat of the UPOV Convention (2009), 'Note on the Report of the Special Rapporteur on the Right to Food', http://upov.int/export/sites/upov/en/news/2009/un_ga_note.pdf.

United Nations (2011), 'UN Protocol on Sharing the World's Genetic Wealth Opens for Signing', Press Release, UN News Centre, 2 February http://www.un.org/apps/news/story.asp?NewsID=37453&Cr=&Cr1.

United Nations Educational, Scientific and Cultural Organization (UNESCO) (2006), *The Ethics and Politics of Nanotechnology*, Paris: UNESCO, http://unesdoc.unesco.org/images/0014/–1459/145951e.pdf.
The United Nations Food and Agriculture Organization (2009), *The World Summit on Food Security*, http://www.fao.org/wsfs/world-summit/en/.
World Health Organization (2005), *World Malaria Report 2005*, Geneva: World Health Organization, http://rbm.who.int/wmr2005/html/exsummary_en.htm.
World Summit on Food Security (2009), *Food Security and Climate Change: A Call for Commitment and Preparation*, November.

INTERNATIONAL INSTRUMENTS

The *Cancún Agreements* 2010, *Outcome of the Work of the Ad Hoc Working Group on Long-Term Cooperative Action Under the Convention*, -/CP.16, http://unfccc.int/files/meetings/cop_16/application/pdf/cop16_lca.pdf.
Convention on Biological Diversity 1992, opened for signature 5 June 1992, 1760 UNTS 143 (entered into force 29 December 1993).
Convention on the Grant of European Patents ('European Patent Convention') of 5 Oct 1973 Official Journal Special Edition 1/2007 (entered into force 7 October 2000).
Copenhagen Accord 2009, UN Doc. FCCC/KP/CMP/2009/L.9 (December 18, 2009).
European Convention for the Protection of Human Rights and Fundamental Freedoms of 1950.
European Parliament Directive 98/44/EC of the European Parliament and of the Council on the Legal Protection of Biotechnological Inventions [1998] OJ (L 213) 13, art 6(1) ('*European Biotechnology Directive*').
International Convention for the Protection of New Varieties of Plants, opened for signature 2 December 1961, 815 UNTS 89 (entered into force 24 April 1968), as revised on 10 November 1972, 23 October 1978, and 19 March 1991 ('*UPOV Convention*').
International Treaty on Plant Genetic Resources for Food and Agriculture, adopted 3 November 2001, S. Treaty Doc. No. 110–19, ftp://ftp.fao.org/ag/cgrfa/it/ITPGRe.pdf (entered into force 29 June 2004).
Marrakesh Agreement Establishing the World Trade Organization, opened for signature 15 April 1994, 1867 UNTS 3 (entered into force 1 January 1995) annex 1C ('Agreement on Trade-related Aspects of Intellectual Property Rights' – *TRIPS Agreement* 1994).

Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising From Their Utilization to the Convention on Biological Diversity, COP 10 Decision, ('*Nagoya Protocol* 2010').
Patent Cooperation Treaty 1970, opened for signature 19 June 1970, 1160 *UNTS* 231 (signed and entered into force, 24 January 1978).
Treaty establishing the European Community (*EC Treaty*).
United Nations Covenant on Economic, Social and Cultural Rights 1966.
United Nations Declaration on the Rights of Indigenous Peoples 2007, Adopted by General Assembly Resolution 61/295 on 13 September 2007.