

Bioethics

AN INTRODUCTION

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Updates

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Chapter 9 Reproductive freedom: rights, responsibilities and choice

2011: Man convicted of supplying false DNA to avoid paying child support:

<http://www.bbc.co.uk/news/uk-england-london-15438332>

2012: Indian administration accused of forced sterilisation:

<http://timesofindia.indiatimes.com//articleshow/11956050.cms?intenttarget=no>

Chapter 10 The resources of reproduction: eggs, sperm and wombs for sale

2011: British Sperm Bank launches 'dating-agency style' catalogue in radical shift in approach to sperm donation: http://www.bionews.org.uk/page_107061.asp

2011: Japanese scientists grow sperm from scratch and use it to breed mice:

<http://ezinearticles.com/?Artificial-Sperm?-Could-This-Be-The-End-Of-Male-Infertility?&id=6494113>

2012: Ovary transplants promise to 'halt menopause':

<http://www.google.com/hostednews/ukpress/article/ALeqM5j-KR19qI6ENfbCWFOqvap0B9l5Dw?docId=N0093031332689141733A>

2012: Sperm donor fathered 600 children:

<http://topnews.net.nz/content/222196-london-fertility-clinic-first-ever-artificial-insemination-clinic>

March 2012: Centre for Social Research based in Delhi release report on surrogacy in India

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Chapter 11 Screening and embryo selection: eliminating disorders or people?

2011: Danish sperm bank finds no takers for red-headed donors' sperm:

<http://www.independent.co.uk/opinion/commentators/can-we-wash-away-redhead-bigotry-please-2356494.html>

2011: Boosting the success rate of IVF: http://www.bionews.org.uk/page_120518.asp

2012: The promise of unlimited female fertility:

<http://www.marieclaire.co.uk/news/health/535089/lab-grown-eggs-provide-unlimited-fertility.html>

Chapter 12 Aging and immortality: the search for longevity

2011: A new drug that can reverse the shortening of telomeres:

http://www.bbc.co.uk/schools/gcsebitesize/science/add_aqa_pre_2011/radiation/nuclearfissionrev1.shtml

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Chapter 13 Death and killing: the quality and value of life

2011: Judge refuses to let woman in a 'minimally conscious state' die:

<http://www.bbc.co.uk/news/health-15082763>

2011: Man believed to be in a persistent vegetative state is found to be conscious and has since written a book and married: <http://www.martinpistorius.com/>

2011 It is claimed that in the Netherlands a 64 year old woman with Alzheimer's was euthanised despite lack of mental capacity: <http://www.dailymail.co.uk/news/article-2059444/Senile-64-year-old-Dutch-woman-euthanised-longer-able-express-wish-die.html>

2012: A British court has given a man with 'locked-in syndrome', Tony Nicklinson, the right to a hearing on his desire to be killed by doctors. If his wish is granted this will make voluntary euthanasia legal (in certain cases): <http://www.bbc.co.uk/news/uk-17336774>

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Chapter 14 Human enhancement: the more the better?

2011: Premier League Football teams have genes tested to determine susceptibility to injury: <http://www.telegraph.co.uk/science/science-news/8829894/Premier-League-team-reads-players-DNA.html>

2011: Surgeons on Modafinil perform better surgery:
<http://www.telegraph.co.uk/science/science-news/8829894/Premier-League-team-reads-players-DNA.html>

2012: A book that suggests the elimination of suffering would change us for the worse:
<http://www.markmatousek.com/Books/WhenFallingDive.html>

2012: Wellcome Trust Sanger Institute finds gene that produces protein that can hinder the spread of flu: <http://www.wellcome.ac.uk/News/2012/News/WTVM054781.htm>

Publication by Demos on the social and political implications of nanotechnology: <http://www.demos.co.uk/publications/governingatthenanoscale>

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Chapter 15 Bio-information: databases, privacy and the fight against crime

2011: Proof-in-principle that adult cells can be turned into cells that will fight tumours found by Oxford researchers who have turned skin cells into stem cells and then into immune cells attaching cancer: <http://www.cancercentre.ox.ac.uk/news/stem-cell-approach-primes-immune-system-to-fight-cancer>

2011: Four-year-old Katie Warner from Oxford has become the first person in Britain to have her whole [genome sequenced](#) in order to locate the [mutation](#) that causes her skull abnormality: http://www.bionews.org.uk/page_104094.asp

2012: A new and much faster way of sequencing genomes: <http://www.nanoporetech.com/technology/analytes-and-applications-dna-rna-proteins/dna-an-introduction-to-nanopore-sequencing>

2012: Airports stop using iris recognition scanners as inefficient: <http://www.travel-news.co.uk/2968/2012/02/uk-airports-scrap-9-million-iris-recognition-scheme/>

2012: New book about genetic testing: <http://medicalxpress.com/news/2012-02-ponders-ethical-issues-genetic.html>

2012: Genetic variations in serotonin transporter genes: http://genome.wellcome.ac.uk/doc_WTVM054187.html

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Chapter 16 Security and defense: security sensitivity, publication and warfare

2011: Swedish Man arrested for creating a small meltdown as he tried to split atoms in his kitchen: <http://www.rt.com/news/kitchen-nuclear-reactor-handl/>

2011: A Horizon report on synthetic biology including fascinating footage of community 'garage biology': <http://www.bbc.co.uk/programmes/b01b45zh>

2012: A discussion on Open-Access Publishing: <http://itunes.apple.com/itunes-u/open-science/id509508541>

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Chapter 17 Food and energy security: GM food, biofuel and the media

2011: Bill Gates supports GM crops: <http://www.fastcoexist.com/1678495/the-gates-foundation-uses-genetic-modification-for-good>

2011: British Green changes sides on GM crops that he now believes will save Africa:
http://e360.yale.edu/feature/britains_mark_lynas_riles_his_green_movement_allies/2449/

2011 Study in *Science* finds intensive farming is better than organic for wildlife:
<http://www.theaustralian.com.au/news/health-science/intensive-farming-is-found-to-be-better-than-organic-methods-for-protecting-the-environment/story-e6frg8y6-1226127941483>

2011: 41 Swedish scientists call for science based- legislation for GM crops:
<http://news.jic.ac.uk/2011/10/gmregulation/>

2011: Famine and power: http://www.just-international.org/index.php?option=com_content&view=article&id=4671:-the-somali-famine-hunger-and-power&catid=41:press-statements&Itemid=122

2011: British Government Foresight report on Food and Farming:
<http://www.bis.gov.uk/assets/foresight/docs/food-and-farming/11-546-future-of-food-and-farming-report.pdf>

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Chapter 18 Bio-ownership: who owns the stuff of life?

2010: A useful blog describing the cases that might change the patenting landscape in the 2010s: <http://genepatents.info/>

2011: The European Court of Justice ruled in that stem cells originating from human embryos were not capable of attracting patent protection:
http://www.lawdit.co.uk/reading_room/room/view_article.asp?name=../articles/11000-ad-embryonic-stem-cells.htm

2011: Sir John Bell (UK's Chief Adviser on Genetics identifies 4 bars to innovation:
<http://www.cientifica.com/the-uks-hermit-kingdom-approach-to-emerging-technologies/>

2012: Peruvian folk remedy could revolutionise dental treatment:
<http://www.telegraph.co.uk/science/science-news/9140847/Anaesthetic-gel-could-replace-dentists-needle.html>

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Chapter 19 Human justice: the developed and developing worlds

2011: an entirely synthetic windpipe was transplanted into a 36 year old cancer patient. It was grown from stem cells, from the patient's own bone marrow, on a synthetic 'scaffold'. <http://www.newscientist.com/article/dn20671-man-receives-worlds-first-synthetic-windpipe.html>

2011: Matthew Green, a 40 year old British Man was allowed home after having had an artificial heart fitted. Though such hearts have been fitted before patients have not been able to go home. <http://www.dailymail.co.uk/health/article-2021443/Matthew-Green-40-person-UK-fitted-artificial-heart-allow-home.html>

2011: electronic skin developed:
<http://news.sciencemag.org/sciencenow/2011/08/electronic-skin-grafts-gadgets-t.html>

2011: Landmark case investigating international organ trafficking:
<http://www.bbc.co.uk/news/world-europe-14706242>

2011: Big Pharma collaborates to cut drug prices in developing countries:
<http://www.guardian.co.uk/society/sarah-boseley-global-health/2012/jan/31/infectiousdiseases-pharmaceuticals-industry>

2012: GSK fined for drug trial without proper consent:
<http://www.telegraph.co.uk/science/science-news/9006614/GlaxoSmithKline-fined-over-trials-on-the-babies-of-Argentinian-poor.html>

2012: Normothermic perfusion is a new development that enables us to 'flush' donor organs making kidneys that previously would not have been useable suitable for transplant: <http://www.telegraph.co.uk/health/healthnews/9128050/Breakthrough-in-kidney-transplant-could-cut-waiting-list.html>

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Chapter 20 Non-human animals: consciousness, rationality and animals rights

2010: Jane Goodall talking about animal research:

<http://www.globalanimal.org/2010/12/05/in-conversation-with-jane-goodall/26050/>

2011: New technology would facilitate testing without animals:

<http://wyss.harvard.edu/viewpressrelease/36/living-breathing-human-lungonachip-a-potential-drugtesting-alternative>

2011: UK's Royal Society for the Protection of Animals comes out against proposal to weaken UK's laws on protecting animals used for science:

<http://www.rspca.org.uk/getinvolved/campaigns/laboratory/uklabanimallaw>

2012: Animal activists block transport of animals for research:

<http://www.bbc.co.uk/news/science-environment-17363257>

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Chapter 21 The living and non-living environment: space-ship Earth

2011: Michio Kaku interviews 300 scientists about the future:

<http://www.nytimes.com/2011/03/16/books/physics-of-the-future-by-michio-kaku-review.html>

2011: 'Untrackable, untested chemicals' building up in the environment:

<http://www.nature.com/nature/journal/v478/n7367/full/478036a.html>

2011: Lord May argues we need a better idea of how many species there are and the impact of their loss:

<http://www.plosbiology.org/article/info%3Adoi%2F10.1371%2Fjournal.pbio.1001130>

2011: You Tube video on in vitro meat: <http://www.youtube.com/watch?v=US-o5StPOws>

2011: The SPICE project for climate engineering:

<http://www2.eng.cam.ac.uk/~hemh/SPICE/SPICE.htm>

2011: The world's first solar power plant can supply 100,000 people:

<http://www.youtube.com/watch?v=GhV2LT8KVgA>

2011: a paper arguing that species extinction rates are overestimated:

<http://www.nature.com/nature/journal/v473/n7347/full/nature09985.html>

2011: The orangutan, known as the red man of the forest, is losing vital habitat as the forests of Sumatra and Borneo are in demand for conversion to palm oil plantations:

http://www.panda.org/about_our_earth/about_forests/deforestation/forest_conversion_agriculture/

2011: Suggestion that legalising the trade in rhino horn could save the rhino:

<http://www.bbc.co.uk/news/world-africa-15355494>

2011: A scheme designed to track the numbers of common birds:

<http://www.ebcc.info/pecbm.html>

2011: Making biofuel from algae:

<http://science.howstuffworks.com/environmental/green-science/algae-biodiesel.htm>

2012: News about the 'killer shrimp', an invasive species threatening British waterways:

<http://www.guardian.co.uk/uk/2001/jan/03/paulbrown>

2012: Report on the costs of wind power:

<http://eeru.open.ac.uk/natta/renewonline/rol50/12.htm>

2012: UK's National Trust comes out against Wind Turbines:

<http://www.telegraph.co.uk/earth/energy/windpower/9077468/National-Trust-comes-out-against-public-menace-of-wind-farms.html>

March 2012: new evidence that popular new pesticides are killing the bees:

<http://m.io9.com/5897793/two-of-the-most-widely-used-insecticides-on-earth-could-be-causing-bee-die+offs>

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