



Additional Resources

Description

Additional resources for unit 1 of the course "[Genomics, Ethics, and Society](#)."

Body

News stories on Genomics, Ethics & Policy

- [Scientific American story on incidental findings](#)
<<http://www.scientificamerican.com/article/what-rare-disorder-is-hiding-in-your-dna/>> Incidental findings in genomic medicine are findings that emerge during a test for something else, and they pose a number of problems. We consider this issue further in unit 7 on privacy.
- [An interesting news story on sequencing a fetal genome](#)
<http://www.bionews.org.uk/page_474185.asp>
- [Designer babies -FT opinion piece](#) <<http://www.ft.com/intl/cms/s/0/8fc7854a-7bb3-11e4-a695-00144feabdc0.html#axzz3ppegHD3F>> Short opinion piece on the ethics of designer babies - we'll return to this question in unit 6.
- [The Guardian article on human genome sequencing](#)
<<http://www.theguardian.com/science/2013/sep/09/genetics-ethics-human-gene-sequencing>>

Links to Discussions and Papers

- [Lecture by Bartha Knoppers on "Genomics: from persons to populations and back again"](http://www.nrcresearchpress.com/doi/full/10.1139/gen-2013-0148?mobileUi=0.VJNZtBBAMw) <<http://www.nrcresearchpress.com/doi/full/10.1139/gen-2013-0148?mobileUi=0.VJNZtBBAMw>>
- [Caulfield et al - opinion piece on ELSI and genomic policy](http://www.biomedcentral.com/content/pdf/gm425.pdf) <<http://www.biomedcentral.com/content/pdf/gm425.pdf>> This controversial opinion piece in *Genome Medicine* reflects on the influence of research into Ethical, Legal and Social Impacts (ELSI) in the formation of policy about genomic medicine.
- [Andrews and Paradise on "Gene Patents: The Need for Bioethics Scrutiny and Legal Change"](http://digitalcommons.law.yale.edu/yjhple/vol5/iss1/13/) <<http://digitalcommons.law.yale.edu/yjhple/vol5/iss1/13/>>

Links to useful videos

- [Obama on genetics and policy \(especially on personalized medicine\)](https://www.youtube.com/watch?v=g5140mlC3Uk) <<https://www.youtube.com/watch?v=g5140mlC3Uk>>
- [Amy McGuire on Ethical, Social and Legal issues in Genomics](https://www.youtube.com/watch?v=9GHScUlyRhE) <<https://www.youtube.com/watch?v=9GHScUlyRhE>>
- [The Political Implications of Human Genomics](https://www.youtube.com/watch?v=1CpDFsDPMCI) <<https://www.youtube.com/watch?v=1CpDFsDPMCI>> A discussion on the rapid growth of genomic science, how political views and public policy have not caught up, and its likely effect on our identities and on the criminal-justice system (you-tube description) from the John W. Kluge Center at the Library of Congress by Prof Jennifer Hochschild.

Websites of Relevant Individuals and Institutions

- [Genome Web site - useful up to date news](https://www.genomeweb.com/) <<https://www.genomeweb.com/>>
- [Home page, Wellcome Trust Sanger Institute for genomic research site](https://www.sanger.ac.uk/) <<https://www.sanger.ac.uk/>>
- [National Human Genome Research Institute - Policy & Ethics Issues](http://www.genome.gov/27527631) <<http://www.genome.gov/27527631>>
- [World Health Organization - ELSI and human genomics](http://www.who.int/genomics/elsi/en/) <<http://www.who.int/genomics/elsi/en/>>

Links to background info about genomics and genetics

- [Human Genome Project](http://web.ornl.gov/sci/techresources/Human_Genome/index.shtml)
<http://web.ornl.gov/sci/techresources/Human_Genome/index.shtml> The section on Educational Materials provides useful background information.
- [Brown's Genomes 2](http://www.ncbi.nlm.nih.gov/books/NBK21128/)
<<http://www.ncbi.nlm.nih.gov/books/NBK21128/>> Introductory textbook available through PubMed.

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Resource Type

Instructor Materials