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## HeLa Cells & HPV Genes: Immortality & Cancer Module Essential Resources List

by Katayoun Chamany Updated July 2017

### Artwork

1. **Film:** Curtis, A. 1997. Modern Times: The Way of All Flesh. Aired on BBC. Modern Times Series, Editor Stephen Lambert. (52 minutes). [Link](#)
2. **Sculpture:** Piccinini, P. 2002. The Young Family. Stem Cells Across the Curriculum. [Updated Link](#)
3. **Cell Line:** Verspaget, C. 2004. The Anarchy Cell Line. Biodifference- The Political Ecology as part of BEAP'04. The Lawrence Wilson Art Gallery. Stem Cells Across the Curriculum. [Updated Link](#)
4. **Commentary:** Piccinini, P. 2009. Becoming Animal, Becoming Human Animal Perspectives. [Link](#)
5. **Infographic:** Biba, E. Jan 25, 2010. Henrietta Everlasting: 1950s Cells Still Alive, Helping Science. *Wired Magazine*. [Link](#)
6. **Theatrical Educational Photo Montage:** Covert, C. 2010. "They Called Me HeLa" *In Healing*, a theatrical production. Stem Cells Across the Curriculum. [Link](#)
7. **Mixed Media:** Agu, R. 2011. Night Doctors No 1 in *Visible Unseen Series*. Exhibited in "The Immortal Life of Henrietta Lacks: A Response by African American Artists. Mountain View College, Dallas, TX. [Link](#) and Show [Link](#)
8. **Mixed Media:** Wilson-Roe, H. & Roe J. 2013. A Brush With Immortality. London Science Museum. [Link](#)
9. **Theatrical Production:** Laufer, D. 2015. Informed Consent. Directed by Liesl Tommy and presented by Primary Stages and Ensemble Studio Theatre/Alfred P. Sloan Foundation Science and Technology Project. Review by Isherwood in *New York Times*. [Link](#)
10. **Article:** Senior, A. 2011. Haunted by Henrietta: The archive, immortality and the biological arts. *Contemporary Theatre Review*. 21(4):511-529. [Link](#)
11. **Podcast:** April 18, 2017. Radiolab Extra: Henrietta Lacks. (35min) [Link](#)
12. **Film:** Wolfe, G. April 2017. The Immortal Life of Henrietta Lacks. HBO and Harpo Films. [Link](#)

### HPV, Cancer, & Cell Immortality

1. Ambros, P. and Karlic, H. 1987. Chromosomal insertion of human papilloma virus in HeLa cells detected by nonisotopic in situ hybridization and reflection contrast microscopy. *Human Genetics*. 77:251-254. [Link](#)
2. **Animation:** Bohan, M. 2005. Checkpoints and Cell Cycle Control: Normal and Abnormal Cell Division. President and Fellows of Harvard College and MCB- HHMI Outreach. *LearnersTV.com* [Animation Link](#)
3. Hesselmeyer-Haddad K, et al. 2005. Genomic amplification of the human telomerase gene (TERC) in pap smears predicts the development of cervical cancer. *American Journal of Pathology*. 166(4): 1229-1238. [Link](#)
4. **Illustrated Presentation.** Nobel Prize in Physiology and Medicine. (Telomeres and Telomerase) [Link](#)
5. Seppo A, et al. 2009. Gain of 3q26: A genetic marker in low-grade squamous intraepithelial lesions (LSIL) of the uterine cervix. *Gynecologic Oncology*. 114(1):80-83. [Link](#)
6. Lucey, B., et al. 2009. Henrietta lacks, HeLa cells, and cell culture contamination. *Archives of Pathology & Laboratory Medicine*. 133(9):1463-1467. [Link](#)

7. Li Y, et al. 2010. Detection of human telomerase RNA gene in cervical cancer and precancerous lesions: Comparison with cytological and human papillomavirus DNA test findings. *International Journal of Gynecological Cancer*. 20(4): 631-637. [Link](#)
8. Skloot, R. 2010. Chapter 27 *In The Immortal Life of Henrietta Lacks*. Crown Publishing. [Link](#)
9. InCellDx. HPV OncoTect Animation. *YouTube*. [Animation Link](#)
10. Wadman, M. June 26, 2013. Medical research: Cell division. *Nature*. 498: 422- 426. [Link](#) (Podcast and Video).
11. Azvolinsky, A. March 1, 2015. Of cells and limits. *The Scientist*. 29(3): (2 pages) [Link](#)
12. **PPT:** HeLa HPV Cancer PPT. 2015 *Stem Cells Across the Curriculum*. [Link](#)

### Utility/Heterogeneity/Contamination

1. Culliton, B. J. 1974. HeLa cells: contaminating cultures around the world. *Science*. 184:1058-1059. [Link](#)
2. Van Valen L, and Maiorana V. 1991. HeLa, a new microbial species. *Evolutionary Theory & Review*. 10:71–74. [Broken Link](#)
3. Oliwenstein, L. Dec 1, 1992. No Longer Human. *Discover Magazine*. [Link](#)
4. Masters, J. April 2002. HeLa Cells 50 years on: The good, the bad and the ugly. *Nature Reviews Cancer*. 2:315-319. [Link](#)
5. Landecker, H. 2007. *Culturing Life. How Cells Became Technologies*. Harvard University Press. 299. [Updated Link](#)
6. Lucey, B. et al. 2009. Henrietta Lacks, HeLa Cells, and Cell Culture Contamination. *Archives of Pathology and Laboratory Medicine*. 133: 1463-1467. [Link](#)
7. Katsnelson, A. June 2010. Biologists tackle cell's identity crisis. *Nature*. 465: 537. [Link](#)
8. Del Carpio, A. Spring 2014. The good, the bad the HeLa. *Berkeley Science Review*. [Link](#)
9. NCBI/National Center for Biotechnology Information. May 16, 2014. Spotlight on... Amanda Capes-Davis, Setting the Cell Line Record Straight. *PubmedCommonsBlog*. [Link](#)
10. Marrow, J., May 1, 2015. Seeded by weeds. *The Scientist*. [Link](#)
11. Grens, K. Sept 2, 2015. The great big clean up. *The Scientist*. [Link](#)
12. Anonymous. Sept 23, 2015. STAP revisited. *Nature*. 525 (7570): 426. [Link](#)
13. De Los Angeles, A. et al. Sept 23, 2015. Hallmarks for pluripotency. *Nature*. 525 (7570):469-78. [Link](#)

### Race & Diversity

1. Culliton, B. J. 1974. HeLa cells: contaminating cultures around the world. *Science*. 184:1058-1059. [Link](#)
2. Landecker, H. 1999. Between beneficence and chattel: The human biological in law and science. *Science in Context*. 12 (1): 203-225. [Link](#)
3. Weasel, L. 2004. Feminist intersections in science: Race, gender and sexuality through the microscope. *Hypatia*. 19(1) Winter:183-193. [Link](#)
4. ErinC. Jan 30, 2009. The Story of Henrietta Lacks: A Lesson in Biology and Ethics. *Spittoon Blog*. 23andme. [Link](#)
5. Anonymous. April 19, 2012. Justice for All. *Nature*. [Link](#)
6. Kumar, R. An Open Letter to Those Colleges and Universities that have Assigned Rebecca Skloot's *The Immortal Life of Henrietta Lacks* as the "Common" Freshmen Reading for the Class of 2016. *Brown Town Magazine*. [Link](#)
7. Melber, A. June 16, 2013. DNA is a Civil Rights Issue. *Melissa Harris Perry*. [Video](#) (3:46 min).
8. Olesksyk, T. & Martinez-Cruzado, J. Feb 5, 2015. Why there is no perfect human in Puerto Rico or anywhere else. *Scientific American Voices Blog*. [Link](#) (original blog post by Patcher [Link](#))
9. **Video:** Benjamin, R. Feb 5, 2015. From park bench to lab bench- what kind of future are we designing? TEDxBaltimore. [VIDEO Link](#) (21:25 min).
10. Reardon, S. July 21, 2015. US tailored-medicine project aims for ethnic balance. *Nature*. [Link](#)

## Gender

1. ErinC. Jan 30, 2009. The Story of Henrietta Lacks: A Lesson in Biology and Ethics. *Spittoon Blog*. 23andme.com. [Link](#)
2. Weasel, L. 2004. Feminist intersections in science: Race, gender and sexuality through the microscope. *Hypatia*. 19(1) Winter:183-193. [Link](#)
3. **Video:** Sugarman, J., Zoloth, L. & Hempel, C. October 4 2010. The Immortal Life of Henrietta Lacks - lessons for stem cell researchers and patients. World Stem Cell Summit, Pasadena, CA. *Stem Cells Across the Curriculum*. [Link](#)
4. **Web Resource:** 2011 (last updated 2014). Stem Cells: Analyzing Sex. Gendered Innovations in Science, Health & Medicine, Engineering and Environment. [Link](#)

## Informed Consent

1. University of Nevada. History of Research Ethics. Research and Graduate Studies UNLV. [Link](#)
2. **Timelines.** History of Biomedical Research Timeline and History of Human Subjects Research Timeline. *Stem Cells Across the Curriculum*. [Link](#)
3. **Video:** Bracken, K. and Harmon, A. April 22, 2010. Blood Journey. *The New York Times*. [Video Link](#) (6:04 min)
4. Harmon, A. April 24, 2010. Where'd You Go With My DNA? *The New York Times*: WK1. [Link](#)
5. Hayden, E. June 21, 2012. A broken contract. *Nature*. 586: 312-314. [Link](#)
6. Callaway, E. Aug 2013. Deal done over HeLa cell line. *Nature*. 500:132-133. [Link](#)
7. **Video:** Sparkman, S. 2013. The HeLa Cell Genome Published, Causes Privacy Controversy. Newsy/ Youtube. (3:33 min). *Stem Cells Across the Curriculum*. [Video Link](#)
8. **Video:** Picht, M. Aug 7, 2013. Henrietta Lacks' Family Finally Gets Say in Genome Research. Newsy/ Dailymotion (2:47 min) [Video Link](#)
9. Master, Z. et al. 2015. Scientists' perspectives on consent in the context of biobanking research. *European Journal of Human Genetics* 23:569-574. [Link](#)
10. Hudson, K. & Collins, F. Oct 28, 2015. Bringing the common rule into the 21<sup>st</sup> century. *NEJM*. [Link](#)
11. Jaschik, S. Jan 19, 2017. New 'Common Rule' for Research. *Inside Higher Education*. [Link](#)

## Research Ethics, Informed Consent, & Acknowledgement

1. Ehrlich, R. 1997. In Memory of Henrietta Lacks. Congressional Record. [Link](#)
2. Anonymous. 2009. Common consent. *Nature*. 460:933. [Link](#)
3. Perriello T. May 28, 2010. Honoring Henrietta Lacks. Congressional Record. [Link](#)
4. **Video:** Sugarman, J., Zoloth, L. & Hempel, C. October 4 2010. The Immortal Life of Henrietta Lacks - lessons for stem cell researchers and patients. World Stem Cell Summit, Pasadena, CA. *Stem Cells Across the Curriculum*. [Link](#)
5. Lantos, J. July August 2010. A Better Life Through Science? *Hasting Center Report*. 40 (4):22-25. [Link](#)
6. Keiger, D. June 2, 2010. Immortal Cells, Enduring Issues. *John Hopkins Magazine*:1-6. [Link](#)
7. Javitt G. 2010. Why not take all of me? Reflections on The immortal life of Henrietta Lacks and the status of participants in research using human specimens. *Minnesota Journal of Law, Science & Technology*. 11(2):713-55. [Link](#) (text itself is only about 20 pages)
8. Anonymous. April 19, 2012. Justice for All. *Nature*. 484:287. [Link](#)
9. Palmer, L. Nov/Dec 2010. Private Reparations. *Hasting Center Report*. 40 (6):4. [Updated Link](#)
10. Elliot. July 2012. Justice for injured human subjects. *NEJM*. 367:1. [Link](#)
11. December 2011. Presidential Commission for the Study of Bioethical Issues. Moral Science: Protecting Participants in Human Subjects Research. Washington DC. [Updated Link](#)
12. Presidential Commission for the Study of Bioethical Issues. Sept 2011. Ethically Impossible:STD Research in Guatemala from 1946-1948. [Report](#) and Ethically Sound [Podcast](#)
13. Anonymous. 2013. Culture of consent. *Nature*. 498:407. [Updated Link](#)

14. Avorn, J. & Kesselheim, A. June 25, 2015. The 21<sup>st</sup> century cures act- will it take use back in time? *NEJM*. 372:2473-75. [Link](#)
15. **Video:** The Challenge of Informed Consent in Times of Controversy Symposium. November 11, 2015. UC Irvine School of Law. [Link](#) Radhika Rao speaks about Henrietta Lacks and Panels have excellent Q &A with attention to equity and social justice.
16. Berskow, L. 2016. Lessons from HeLa cells: The ethics and policy of biospecimens. *Annual Review of Genomics and Human Genetics*. 17:395-417. [Link](#) (regrading proposed changes to Common Rule for de-identified specimens)
17. **Multipart Review (Video, Social Media, Applekit)** Grady, C. et al. March 2, 2017. Informed Consent. *NEJM*. 376(9):856-867. [Link](#)

### Commodification

1. Skloot, R. April 16, 2006. Taking the Least of You. *New York Times Magazine*. 38 (11 pgs). [Link](#)
2. Johnston, J. 2008. "Intellectual Property and Biomedicine," *In From Birth to Death and Bench to Clinic: The Hastings Center Bioethics Briefing Book for Journalists, Policymakers, and Campaigns*, ed. Mary Crowley. Garrison, NY: The Hastings Center: 93-96. [Link](#)
3. **Video:** Sugarman, J., Zoloth, L. & Hempel, C. October 4 2010. The Immortal Life of Henrietta Lacks - lessons for stem cell researchers and patients. World Stem Cell Summit, Pasadena, CA. *Stem Cells Across the Curriculum*. [Link](#)
4. Keiger, D. June 2, 2010. Immortal Cells, Enduring Issues. *John Hopkins Magazine*:1-6. [Link](#)
5. Cohen, P. Feb 5, 2011. Returning the Blessing of an Immortal Life. *New York Times*. C1. [Link](#)
6. Petrini, C. 2014. Umbilical cord blood banking: From personal donation to international public registries to global bioeconomy. *Journal of Blood Medicine*. 5: 87-97. [Link](#)
7. Caulfield, T. et al. March, 2014. A review of key issues associated with the commercialization of biobanks. *Journal of Law and Bioscience*. 1(1):94-110. [Link](#)
8. Lynch, H. and Joffe, S. April 2, 2017. A Lesson From the Henrietta Lacks Story: Science Needs Your Cells. *New York Times*: A27. [Link](#)

### Compensation

1. MoreMarrowDonors. "MoreMarrowDonors.org." About Us. [Link](#)
2. NBMP (National Bone Marrow Program). HLA Matching. [Link](#)
3. VanderWalde, A., & Kurzban, S. 2011. Paying human subjects in research: Where are we, how did we get here, and now what? *Journal of Law, Medicine & Ethics*. 39(3):543-558. [Link](#)
4. Cohen, G. Jan 26, 2012. Selling bone marrow-Flynn v. Holder. *NEJM*. 366:296-297. [Link](#)
5. Williams, C.J. March 28, 2012. Court Rejects Obama Plea to Reconsider Bone Marrow Ruling. *Los Angeles Times*. [Updated Link](#)
6. Barnes, R. Jan 22, 2012. The High Court. *The Washington Post*. [Link](#)
7. Truog, R. et al. 2012. Paying patients for their tissues: The legacy of Henrietta Lacks. *Science*. 337 (6090): 37-38. [Link](#)
8. Kominers, S., & Becker, G. 2012. Paying for tissue: Net benefits. *Science*. 337 (6100): 1292-93. [Link](#)
9. Truog, R. et al. 2012. Paying for tissues: Net benefits-Response. *Science*. 337(6100): 1293. [Link](#)
10. Lacetera, N., et al. May 24, 2013. Economic rewards to motivate blood donations. *Science* 340(6235): 927-28. [Article Link](#) and [Podcast Interview](#)

### Biobanking, Biolabor, BioTrusts

1. Winickoff, D. & Winickoff, R. 2003. The charitable trust as a model for genomic biobanks. *NEJM*. 349:1180-84. [Link](#)
2. Otten, J. et al. Jan 1, 2004. Letter to the Editor and Response by Winickoff and Winickoff: The charitable trust as a model for genomic biobanks. *NEJM*. 350:85-86. [Link](#)



3. Winickoff, D. 2007. Partnership in U.K. Biobank: A third way for genomic property. *Journal of Law, Medicine, and Ethics*. 35 (3):440-56. [Link](#)
4. Park, A. March 12, 2009. Biobanks:10 Ideas Changing the World Right Now. *Time.com*. [Link](#)
5. April 21, 2011. Medical Innovation: Biobank. *BMJ Innovations*. *Youtube*. (7:49 min) [Link](#)
6. Lehrman, S. Jan 16, 2013. Shifting Roles and Shifting Research: Collaborative Genetic Studies with Indigenous Communities. *SACNAS*. [Link](#)
7. Garrison, N. March 2013. Genomic justice for Native Americans: Impact of the Havasupai case on genetic research. *Science, Technology, and Values*. 38: 201-223. [Link](#)
8. Svalastog, A. & L. Martinell. 2013. Representing life as opposed to being: The bio-objectification process of the HeLa cells and its relation to personalized medicine. *Croatian Medical Journal*. 54(4): 397-402. [Link](#)
9. Benjamin, R. 2014. Race for cures: Rethinking the racial logics of 'trust' in biomedicine. *Sociology Compass*. 8(6): 755-769. [Link](#)
10. Kaiser, J. Jan 20, 2015. White House fleshes out Obama's \$215 million plan for precision medicine. *Science*. [Updated Link](#)
11. **Video:** Yeampierre, E. Jan 2015. Building the Relationship: Citizen and Community Engagement in the Development of Research Projects. Trans-NIH Workshop to Explore the Ethical, Legal, and Social Implications (ELSI) of Citizen Science. [Video Link](#) (10min)
12. Duhaime-Ross, D. March 10, 2015. Apple's New ResearchKit: 'Ethics Quagmire' or Medical Research Aid? *The Verge*. [Link](#)
13. April 28, 2015. Thank you for sharing. *Nature*. 520: 585. [Link](#)
14. Mcgrary, C. Oct 15, 2015. ResearchKit at 6 months; 100,000 people now using medical apps. *MacWorld*. [Link](#)
15. **Video:** Benjamin, R. 2015. From park bench to lab bench- what kind of future are we designing? TEDxBaltimore. (21:25 min). [VIDEO Link](#)
16. The White House. November 9, 2015. Precision Medicine. Privacy and Trust Principles. [Updated Link](#)
17. Arias, J., et al. Oct 29, 2015. Trust, vulnerable populations, and genetic data sharing. *Journal of Law and Biosciences*: 1-7. [Link](#)
18. Chamany, K. Nov 19, 2015. New Rules Proposed to Address Privacy and Trust in the Precision Medicine Initiative. *Biopolitical Times*. Center for Genetics and Society. [Updated Link](#)

### Property, Privacy, & Control Over Research Directions

1. Andrews, L. Jan 2006. Who owns your body?: A patient's perspective on Washington University v. Catalona. *Journal of Law, Medicine and Ethics*. 34 (2): 398-407. [Link](#)
2. Skloot, R. April 16, 2006. Taking the Least of You. *New York Times Magazine*. 38 (11 pages). [Link](#)
3. Rao, R. 2007. Genes and spleens: Property, contract, or privacy rights in the human body?. *The Journal of Law, Medicine & Ethics*. 35 (3): 371-382. [Link](#)
4. Knoppers, B., & Isasi, R. 2010. Stem cell banking: Between traceability and identifiability. *Genome Medicine*. 2(10):73. (7 pages) [Link](#)
5. Javitt, G. 2013. Take another little piece of my heart: Regulating the research use of human biospecimens. *Journal of Law, Medicine & Ethics*. 41(12):424-39. [Link](#)
6. Hudson, K. & Collins, F. 2013. Biospecimen policy: Family matters. *Nature*. 500:141-142. [Link](#)
7. **Video:** Picht, M. Aug 7, 2013. Henrietta Lacks' Family Finally Gets Say in Genome Research. *Dailymotion* (2:47 min) [Video Link](#)
8. **Video:** The Challenge of Informed Consent in Times of Controversy Symposium. November 11, 2015. UC Irvine School of Law. [Link](#) Radhika Rao speaks about Henrietta Lacks and Panels have excellent Q &A with attention to equity and social justice.

9. Garrison, N. et al. Nov 19, 2015. A systemic literature review of individual's perspectives on broad consent and data sharing in the United States. *GeneticsinMedicine*: 1-9. [Link](#)
10. Feldwisch-Drentrup, H. Dec 19, 2015. E.U. frees up data for science. *ScienceInsider*. [Link](#)
11. Kish, L and E. Topal. Sept 2015. Unpatients—why patients should own their medical data. *Nature Biotechnology*. 33(9):921-924. [Link](#) and [link to organizational site](#).