

Opinions expressed here are solely those of the authors and do not necessarily reflect those of the Empire State Stem Cell Board, the New York State Department of Health, or the State of New York.

Essential Reading Resources List
Eggs & Blood: Gifts & Commodities Module
 by *Katayoun Chamany & Alexa Riggs*
 Updated July 2017

Biology

1. Schatten, G. & Schatten, H. 1983. The energetic egg. *The Sciences*. 23(5):28-34. [Link](#)
2. Beldecos, A. et al. 1988. The importance of feminist critique for contemporary cell biology. *Hypatia*. 3 (1, Feminism and Science Part 2). [Link](#)
3. Zuk, P. et al. 2002. Human adipose tissue is a source of multipotent stem cells. *Molecular Biology of the Cell*. 13(12):4279-4295. [Link](#)
4. Powell, K. 2005. Stem-cell niches: It's the ecology, stupid! *Nature*. 435(7040): 268-270. [Link](#)
5. Bennett & Johnson. 2007. Stem cell differentiation: A chromosome view. Howard Hughes Medical Institution Animation Department of Molecular and Cellular Biology. Harvard University. [Link](#)
6. Kiessling, A. 2007. Human eggs: the need, the risks, the politics. *Burrill Stem Cell Report*. 38-45. [Link](#)
7. Baylis, F. 2008. Animal eggs for stem cell research: A path not worth taking. *American Journal of Bioethics*. 8(12):18-32. [Link](#)
8. World Stem Cell. March 2010. Cellular reprogramming animation. [Link](#)
9. Gearhart, J. & Coutifaris, C. 2011. In vitro fertilization, the Nobel Prize, and human embryonic stem cells. *Cell Stem Cell*. 8 (1):12-15. [Link](#)
10. Noggle, S. et al. 2011. Human oocytes reprogram somatic cells to a pluripotent state. *Nature*. 478(7367):70-75. [Link](#)
11. Lovell-Badge, R. March 12, 2012. Hype, hope and heresy – or why it is bad to eggsaggerate. *BioNews.org*. [Link](#)
12. Tachibana, M. et al. 2013. Human embryonic stem cells derived by somatic cell nuclear transfer. *Cell*. 153(6):1228-1238. [Link](#)
13. Haimes, E. et al. 2013. ISSCR: Committee Forum. Position statement on the provision and procurement of human eggs for stem cell research. *Cell Stem Cell*. 12(3):285-291. [Link](#)
14. Woods, D. & Tilly J. 2013. Isolation, characterization and propagation of mitotically active germ cells from adult mouse and human ovaries. *Nature Protocols*. 8: 968-88. [Link](#)
15. Wang, D. et al. 2015. Identification of multipotent mammary stem cells by protein C receptor expression. *Nature*. 517: 81-74. [Link](#)
16. Couzin-Frankel, J. 2015. Eggs unlimited. *Science*. 350(6261):620-624. [Link](#)
17. Cyranoski, D. 2016. Mouse eggs made from skin cells in a dish. *Nature*. 538(7625):301-301. [Link](#)
18. Luo, L., et al. 2017. Fabrication of synthetic mesenchymal stem cells for the treatment of acute myocardial infarction in mice novelty and significance. *Circulation Research*. 120(11):1768. [Link](#)
19. Aach, J. et al. March 21, 2017. Addressing the ethical issues raised by synthetic human entities with embryo-like features. *eLife*. 6: e20674. [Link](#)

Legislation to Protect Embryos from Research or to Expand the Supply of Embryos for Research

1. Kearl, M. The Dickey-Wicker Amendment, 1996. The Embryo Project Encyclopedia. Arizona State University. [Link](#)
2. Blyth, E. 2002. Subsidized IVF: The development of 'egg sharing' in the UK. *Human Reproduction*. 17(12): 3254-59. [Link](#)
3. Johnson, J. & Williams, E. May 19, 2006. CRS Report for Congress. Stem Cell Research: States Initiatives. 1-11. [Link](#)
4. Ballantyne, A. & de Lacey, S. 2008. Wanted—egg donors for research: a research ethics approach to donor recruitment and compensation. *International Journal of Feminist Approaches to Bioethics*. 1(2): 145-164. [Link](#)
5. Rosary Films 2009. (Nightlife Adoptions). Stem Cell Research Policy of President Bush/Adult Versus Embryonic Stem Cells. Youtube. [Link](#). (Veto of the Castle-DeGette Stem Cell Research Enhancement Act. (3:00- 7:00 min)
6. Lahl, J. 2009. "Proposition 71" video excerpt from *Lines That Divide*. [Link](#) (1:30 min)
7. MSNBC. March 9, 2009. Rep DeGette on MSNBC's Hardball with Chris Matthews (11:34 min) [Link](#)
8. California Institute for Regenerative Medicine. 2015. CIRM History. [Link](#)
9. Roxland, B. 2010. 2010 Report: Egg donation for stem cell research: How New York State developed its oversight and compensation policies. *World Stem Cell Report*: 60-67. [Link](#)
10. Human Fertilisation & Embryology Authority (HFEA). Embryo Research in the UK: Donation. [Link](#)
11. Choudhary, M. et al. 2012. Egg sharing for research: A successful outcome for patients and researchers. *Cell Stem Cell*. 10(3):239-240. [Link](#)
12. Clay, A. South Korea's Bioethics and Biosafety Act (2005). The Embryo Project Encyclopedia. Arizona State University. [Link](#)
13. Gutierrez, M. March 10, 2013. Donate eggs for research? California bill seeks to compensate women. *Huffington Post*. [Link](#)
14. Darnovsky, M. & Fogel, B. Sept 3, 2013. California Controversy: Let's Not Expand the Women's Market in Women's Eggs. *Huffington Post.com*. [Link](#)
15. Servick, K. November 11, 2016. Embryonic Stem Cells and Fetal Tissue research—will Trump Intervene? [ScienceMag.org](#). [Link](#)
16. Reed, D. January 16, 2017. Donald Trump and The Great Stem Cell Decision. *HuffingtonPost.com* [Link](#)
17. Ertlet, S. June 7, 2017. President Trump Reappoints NIH Director Francis Collins Who Supports Embryonic Stem Cell Research. *Lifenews.com*. [Link](#)

Capitalism & Bioeconomy

1. Ikemoto, L. 2009. Eggs as capital: human egg procurement in the fertility industry and the stem cell research enterprise. *Signs: Journal of Women in Culture and Society*. 34:763-782. [Link](#)
2. Waldby, C. Fall 2010/Spring 2011. Citizenship, labor and the biopolitics of the bioeconomy *In* Technology, Justice, and the Global Reproductive Market. Double issue 9.1-9.2. *The Scholar and Feminist Online*. [Link](#)
3. Shalev, C. & Werner-Felmayer, G. 2012. Patterns of globalized reproduction: egg cells regulation in Israel and Austria. *Israel Journal of Health Policy Research*. 1:15. [Link](#)
4. Cohen, G. 2012. Selling bone marrow- Flynn v. Holder. *New England Journal of Medicine*.

366:296-297. [Link](#)

5. Benjamin, R. April 4, 2013a. Which Comes First the Women or Her Eggs? *HuffingtonPost.com*. [Link](#)
6. Petrini, C. 2014. Umbilical cord blood banking: From personal donation to international public registries to global bioeconomy. *Journal of Blood Medicine*. 4(5): 87-97. [Link](#)

Compensation

1. Thompson, C. 2007. Why we should, in fact, pay for egg donation. *Regenerative Medicine*. 2(2): 203-209. [Link](#)
2. Isasi, R. M., & Knoppers, B. M. 2007. Monetary payments for the procurement of oocytes for stem cell research: In search of ethical and political consistency. *Stem Cell Research*.1(1):37-44. [Link](#)
3. Egli, D. et al. 2011. Impracticality of egg donor recruitment in the absence of compensation. *Cell Stem Cell*. 9(4):293-294. [Link](#)
4. Fiore, R. & Hirsch, K. 2011. Oocytes for research: reevaluating risks and compensation. *The American Journal of Bioethics*.11(9):42-43. [Link](#)
5. Choudhary, M, et al. 2012. Egg sharing for research: A successful outcome for patients and researchers. *Cell Stem Cell*. 10(3):239-240. [Link](#)
6. Roxland, B. 2012. New York State's landmark policies on oversight and compensation for egg donation to stem cell research. *Regenerative Medicine*. 7(3):397. [Link](#)
7. Mohapatra, S. Fall 2013. Cutting the Cord from Private Cord Blood Banking: Encouraging Compensation for Public Cord Blood Donations After Flynn v. Holder. *University of Colorado Law Review*. 84(4): 933-983. [Link](#)
8. Haimes, E. et al. 2013. ISSCR: Committee Forum. Position statement on the provision and procurement of human eggs for stem cell research. *Cell Stem Cell*. 12 (3):285-291. [Link](#)
9. Miles, K. Aug 15, 2013. California Bill to Allow Women To Sell Eggs for Research Vetoes by Governor Gerry Brown. *HuffingtonPost.com*. (1pg) [Link](#)
10. Jones, A. July 26, 2015. Putting a Price on a Human Egg. *WallStreetJournal.com*. [Link](#)
11. Lewin, T. October 16, 2015. Egg Donors Challenge Pay Rates, Saying They Shortchange Women. *New York Times*:A1. [Link](#)
12. Siddique, H. May 2, 2017. Fertility Regulator Launches Inquiry into 'Cash for Eggs' Claims. *TheGuardian.com* [Link](#)

Choice

1. Papadimos, T. & Papadimos, A. 2004. The student and the ovum: the lack of autonomy and informed consent in trading genes for tuition. *Reproductive Biology and Endocrinology*. 2(1):56. [Link](#)
2. Nahman, M. 2008. Nodes of Desire: Romanian egg sellers, 'dignity' and feminist alliances in transnational ova exchanges. *European Journal of Women's Studies*. 15(2):65-82. [Link](#)
3. Levine, A. 2010. Self-regulation, compensation, and the ethical recruitment of oocyte donors. *Hastings Center Report*. 40:25-36. [Link](#)
4. PBS. Religion & Ethics Weekly. Embryonic Stem Cell Controversy. April 2, 2010. (7min) [Link](#)
5. Mertes, H. et al. 2011. Ethical concerns eliminated: safer stimulation protocols and egg banking. *American Journal of Bioethics*. 11(9):33-35. [Link](#)
6. Bell, L. 2011. Fate of Frozen Embryos. *Parenting.com*. [Link](#)
7. Jeong, Y. 2014. Scientific motherhood, responsibility, and hope: Umbilical cord banking in South Korea. *New Genetics and Society*. 33(4):1-35. [Link](#)

8. Lewin, T. June 17, 2015. Industry's Growth Leads to Leftover Embryos, and Painful Choices. *New York Times*:A1. [Link](#)
9. ASRM. 2015. Access to fertility services by transgender persons: An ethics committee opinion. *Fertility and Sterility*.104(5):1111-1115. [Link](#)
10. Goedeke, S., et al. 2017. The fate of unused embryos. *Qualitative Health Research*. 27(10):1529-1540. [Link](#)

Risk

1. Giudice, L. et al. 2007. Assessing the medical risks of human oocyte donation for stem cell research: Workshop report. Institute of Medicine and National Research Council. The National Academies Press. [Link](#)
2. Kramer, W. 2009. US oocyte donors: A retrospective study of medical psychosocial issues. *Human Reproduction*. 24 (12):3144-9. [Link](#)
3. Bamford, R. 2011. Reconsidering risk to women: oocyte donation for human embryonic stem cell research. *The American Journal of Bioethics*. 11(9):37-39. [Link](#)
4. Ellison, B., & Meliker, J. 2011. Assessing the risk of ovarian hyperstimulation syndrome in egg donation: implications for human embryonic stem cell research. *The American Journal of Bioethics*. 11(9):22-30. [Link](#)
5. Stewart, L. et al. 2012. In vitro fertilization and breast cancer: is there cause for concern? *Fertility and Sterility*. 98(2):334-340. [Link](#)
6. Darnovsky, M. & Fogel, B. Sept 3, 2013. California Controversy: Let's Not Expand the Women's Market in Women's Eggs. *Huffington Post.com*. (1 pg) [Link](#)
7. Alberta, H. et al. 2014. Risk disclosure and the recruitment of oocyte donors: are advertisers telling the full story? *Journal of Law Medicine and Ethics*. 42(2):232-243. [Link](#)
8. Schneider, J., et al. Long-term breast cancer risk following ovarian stimulation in young egg donors: A call for follow-up, research and informed consent. *Reproductive BioMedicine Online*.34(5):480-485. [Link](#)
9. Morrissey, T. August 24, 2015. Ovary Action: Is it Worth Your Time and Money to Freeze Your Eggs. *Broadly*. Vice. [Link](#)

Feminist Activism

1. Roberts, C., & Throsby, K. 2008. Paid to share: IVF patients, eggs and stem cell research. *Social Science & Medicine*. 66(1):159-169. [Link](#)
2. Dickenson, D. and Idiakez, I. 2008. Ova donation for stem cell research: an international perspective. *International Journal of Feminist Approaches to Bioethics*. 1(2):125-144. [Link](#)
3. Beeson, D. 2009. Review of "Egg donation: the reasons and the risks." Alliance for Humane Biotechnology. [Link](#)
4. Briganti, C. 2010. Mademoicell Design Process Video. [Link](#)
5. Benjamin, R. April 17, 2013. Which comes first: the woman or her eggs? *Huffington Post*. [Link](#)
6. Krawiec, K. Jan 2014. Egg-donor price fixing and Kamakahi v. American Society for Reproductive Medicine. *AMA Journal of Ethics*. 16 (1):57-62. [Link](#)

Ethics & Informed Consent: Risk-Benefit

1. Hyun, L. 2006. Fair payment or undue inducement? *Nature*. 442:629-630. [Link](#)

2. Ballantyne, A. & de Lacey, S. 2008. Wanted—egg donors for research: a research ethics approach to donor recruitment and compensation. *International Journal of Feminist Approaches to Bioethics*. 1(2): 145-164. [Link](#)
3. Stein, A. 2011. The conundrum of oocyte donation, human research, OHSS, and ethics. *The American Journal of Bioethics*. 11(9):35-37. [Link](#)
4. Caulfield T. & Ogbogu, U. 2012. Stem cell research, scientific freedom and the commodification concern. *EMBO Reports*.13(1):12-16. [Link](#)
5. Haimes, E. et al. 2012. Eggs, ethics, and exploitation? Investigating women's experiences of an eggsharing scheme. *Sociology of Health & Illness*. 34(8):1199. [Link](#)

Bodily Goods

1. Kurtzberg, J. et al. 2005. Untying the Gordian knot: policies, practices, and ethical issues related to banking of umbilical cord blood. *Journal of Clinical Investigation*. 115(10):2592-2597. [Link](#)
2. Rao, R. June 2006. Coercion, commercialization, and commodification: The ethics of compensation for egg donors in stem cell research. *Berkeley Technology Law Journal*. 21(3): 1055-1066. [Link](#)
3. Almeling, R. 2009. Gender and the value of bodily goods: commodification in egg and sperm donation. *Law and Contemporary Problems*.72:37-58. [Link](#)
4. Rowland, T. 2009. Stem Cells Discovered in Menstrual Blood: Endometrial Regenerative Stem Cells. *All Things Stem Cell Blog*. [Link](#)
5. Bergstrom, T. et al. 2009. One chance in a million: Altruism and the bone marrow registry. *American Economic Review*. 99 (4):1309-34. [Link](#)
6. MSNBC. March 9, 2009. Rep DeGette on MSNBC's Hardball with Chris Matthews (11:34 min) [Link](#)
7. Begley, S. 2010. All Natural: Why breasts are the answer to regenerative medicine. *Wired*. 18.11:148-155,188-189. [Link](#)
8. Lacetera, N. et al. 2013. Economic rewards to motivate blood donations. *Science*. 340(6135):927. [Link](#)
9. Ethics Committee of the American Society for Reproductive Medicine. June 2013. Disposition of abandoned embryos: A committee opinion. *Fertility and Sterility*. 99 (7):1848-1849. [Link](#)
10. Holm, S. 2015. Biobanking human embryonic stem cell lines: policy, ethics and efficiency. *Monash Bioethics Review*. 22 (4): 265-76. [Link](#)
11. Jeong, Y. 2016. Contested expectations: The cord blood economy in south Korea. *New Genetics and Society*.35(3):289-306. [Link](#)