



Recommended Readings and Online Resources

Description

Recommended readings for unit 4 of the [Course on Genomics, Ethics, and Society](#).

Body

Recommended Readings:

- Defining environmental risk assessment criteria for genetically modified fishes to be placed on the EU market (2010, May 27). Retrieved from <http://www.efsa.europa.eu/en/supporting/pub/69e.htm>
- Devlin, R. H., Yesaki, T. Y., Biagi, C. A., Donaldson, E. M., Swanson, P., & Chan, W-K. (2002). Extraordinary salmon growth. *Nature*, 371, 209-210.
- Du, S.J., Gong, Z., Flechter, G. L., Shears, M. A., King, M. J., Idler, D. R., & Hew, C. L. (1992) Growth enhancement in transgenic salmon by the use of an “all fish” chimeric growth hormone gene construct. *Biotechnology*, 10, 176-181.
- Fleming, I. A., & Gross, M. T. (1993) Breeding success of hatchery and wild coho salmon (*Oncorhynchus kisutch*) in competition. *Ecological Applications*, 3, 230-245.
- Fletcher, G. L., Shears, M. A., Yaskowiak, E. S., King, M. J., & Goddard, S. V. (2004). Gene transfer: potential to enhance the genome of Atlantic salmon for aquaculture. *Australian Journal of Experimental Agriculture*, 44, 1095-1100.
- Forabosco, F., Löhmus, M., Rydhmer, L., & Sundström, L. F. (2013). Genetically modified farm animals and fish in agriculture: A review. *Livestock Science*, 153,

1-9.

- Gottlieb, S., & Wheeler, M. B. (2011, June). Genetically engineered animals and public health: Compelling benefits for health care, nutrition, the environment, and animal welfare. Retrieved from http://www.bio.org/sites/default/files/2011_ge%20animal_benefits_report.pdf
- Greger, M. (2011). Transgenesis in animal agriculture: Addressing animal health and welfare concerns. *Journal of Agricultural and Environmental Ethics*, 24, 451-472.
- Hew, C.L., Fletcher, G. L., & Davies, P. L. (1995). Transgenic salmon: tailoring the genome for food production. *Journal of Fish Biology*, 47, 1-19.
- Letter to Barack Obama (2012, September 15). Retrieved from http://www.nature.com/polopoly_fs/7.6923!/file/Letter%20to%20Barack%20Obama%20S
- Pollack, A. (2012, May 21). An entrepreneur bankrolls a genetically engineered salmon. *New York Times*. Retrieved from <http://www.nytimes.com/2012/05/22/business/kakha-bendukidze-holds-fate-of-gene-engineered-salmon.html>
- Taken for a ride (2011, July 7). *Nature*, 475. Retrieved from <http://www.nature.com/nature/journal/v475/n7354/full/475005a.html>

Online Resources:

- FDA entry on Genetically Engineered Salmon: <http://www.fda.gov/AnimalVeterinary/DevelopmentApprovalProcess/GeneticEngineering/>
- FDA Guidance for industry: Regulation of genetically engineered animals containing heritable recombinant DNA constructs. Retrieved from <http://www.fda.gov/downloads/AnimalVeterinary/GuidanceComplianceEnforcement/Guid>

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Use of Materials on the OEC

Resource Type

Instructor Materials

Topics

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Emerging Technologies
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Discipline(s)

Genetics and Genomics
Animal Science
Life and Environmental Sciences