



Schedule and Course Literature – Gender and Biological Sciences, 7,5 hp (ECTS credits), FN (third cycle), (GV1BIOL)

Introduction (Wednesday 23 August 13–16)

Introduction to feminist science studies, philosophical perspectives on gender and biological sciences.

Literature

Fausto-Sterling, Anne. 2000. *Sexing the Body: Gender Politics and the Construction of Sexuality*. New York, NY: Basic Books. Chapter 1, Dueling dualisms, p 1-29. (29 p.)

Nelson, Lynn Hankinson. 2017. *Biology and feminism: a philosophical introduction*. Cambridge. UK: Cambridge University Press. Introductory chapter, p 1-22 (22 p.)

Harding, Sandra. 2006. Rethinking standpoint epistemology: What is ‘strong objectivity’? In: Keller, Evelyn F. & Longino, Helen E. (eds.) *Feminism & Science*, Oxford University Press. pp. 235-248. (14 p.)

Longino, Helen E. 1990. *Science as social knowledge: values and objectivity in scientific inquiry*. Princeton, N.J. Princeton Univ. Press. Chapter 10 p. 215-232. (18 p.)

Suggestions for further reading

Keller, Evelyn Fox. 1983. *A feeling for the organism: the life and work of Barbara McClintock*. New York: W.H. Freeman, cop.

Haraway, Donna J. 1988. Situated knowledges: the science question in feminism and the privilege of partial perspectives. *Feminist Studies* 14 (3): 575–599.

Richardson, Sarah S. 2022. Sex Contextualism. *Philos Theor Pract Biol* (2022) 14:2. (Relevant for biomedical research.)

Tuana, Nancy. 2004. Coming to understand: orgasm and the epistemology of ignorance. *Hypatia* 19 (1): 194-232.

Stanford Encyclopedia of Philosophy:

<https://plato.stanford.edu/entries/feminist-social-epistemology/>

<https://genderedinnovations.stanford.edu/>



History of biological sciences (Friday 25 August 13–16)

Literature

Schiebinger, Londa. 1999. *Has feminism changed science?* Cambridge, Massachusetts: Harvard University Press. Conclusions, p 181-195 (15 p.)

Subramaniam, Banu. 2014. *Ghost stories for Darwin: The Science of Variation and the Politics of Diversity*. University of Illinois Press. Introduction, p. 1-23 (23 p.)

de Waal, F. 2003. Silent invasion: Imanishi's primatology and cultural bias in science. *Animal Cognition* 6: 293–299. (7 p.)

Tallbear, Kim. 2013. *Native American DNA: Tribal Belonging and the False Promise of Genetic Science*. University of Minnesota Press. Introduction, an indigenous, feminist approach to DNA politics. p. 1-29. (29 p.)

Suggestions for further reading

Ahnesjö, I., Brealey, J. C., Günter, K. P., Martinossi-Allibert, I., Morinay, J., Siljestam, M., Stångberg, J. & Vasconcelos, P. (2020). Considering Gender-Biased Assumptions in Evolutionary Biology. *Evolutionary Biology*, 47(1), 1-5.

Gross, Rachel E. 2022. *Vagina Obscura*. New York: W. W. Norton & company.

Hamlin, Kimberly A. 2014. *From Eve to evolution: Darwin, science, and women's rights in Gilded Age America*. Chicago Ill: The University of Chicago Press.

Haraway, Donna J. 1989. *Primate visions: Gender, race and nature in the world of modern science*. New York: Routledge.

Schiebinger, Londa. 2004. Feminist History of Colonial Science. *Hypatia* 19 (1): 233–254. (22 p.)

Schiebinger, Londa. 1989. *The mind has no sex? Women in the origins of modern science*. Cambridge, MA: Harvard University Press.

Sexual selection theory and research from a gender perspective (Wednesday 6 September 13–16)

Literature

Richards, Evelleen. 2017. *Darwin and the Making of Sexual Selection*. Chicago: The University of Chicago Press. Last words, p. 517-536. (20 p.)

Lawton, Marcy F., Garstka, W. R. & Hanks, J.C. 1997. The mask of theory and the face of nature. In: Patricia A. Gowaty (ed.), *Feminism and evolutionary biology, boundaries, intersections and frontiers*. New York: Chapman & Hall. p. 63–85. (23 p.)



Fedigan, Linda Marie 2001. The paradox of feminist primatology: the Goddess's discipline? In: Creager, Angela N. H., Lunbeck, Elizabeth & Schiebinger, Londa, *Feminism in Twentieth-Century Science, Technology, and Medicine*. Chicago and London: University of Chicago Press. p. 46-72. (35 p.)

Tang-Martínez, Zuleyma. & Ryder, Brant T. 2005. The problem with paradigms: Bateman's worldview as a case study. *Integrative and Comparative Biology* 45: 821-830. (10 p.)

Suggestions for further reading

Ah-King, Malin. 2022. *The Female Turn: How Evolutionary Science Shifted Perceptions About Females*. Palgrave Macmillan.

Ah-King, Malin. 2022. The history of sexual selection research provides insights as to why females are still understudied. *Nature Communications* 13, 6976.
<https://doi.org/10.1038/s41467-022-34770-z>

Ah-King, Malin, & Ahnesjö, I. 2013. The "Sex Role" Concept: An Overview and Evaluation. *Evolutionary Biology* 40(4): 461–470. <https://doi.org/10.1007/s11692-013-9226-7>

Gowaty, Patricia A. (ed.) 1997. *Feminism and evolutionary biology, boundaries, intersections and frontiers*. New York: Chapman and Hall.

Hrdy, Sarah B. 1986. Empathy, polyandry and the myth of the coy female. In: Bleier, Ruth (ed.), *Feminist Approaches to Science*. New York: Pergamon Press. p. 119–146. (28 p.)

Tang-Martínez, Zuleyma. 2016. Rethinking Bateman's Principles: Challenging Persistent Myths of Sexually Reluctant Females and Promiscuous Males. *Journal of Sex Research* 53 (4-5): 532-559. <https://doi.org/10.1080/00224499.2016.1150938>

Zuk, Marlene. 2002. *Sexual selections: what we can and can't learn about sex from animals*. Berkeley, CA: University of California Press.

Gender perspectives on developmental biology, sex chromosome research and neuroscience (Wednesday 20 September 13–16)

Literature

Jordan-Young, Rebecca M. & Rumiati, Raffaella I. (2012). Hardwired for sexism? Approaches to sex/gender in neuroscience. In R. Bluhm, A. J. Jacobson, & H. L. Maibom (Eds.), *Neurofeminism: Issues at the intersection of feminist theory and cognitive science* (pp. 105-120). Basingstoke, Hampshire, GBR: Palgrave Macmillan. (16 p.)

Nelson, Lynn Hankinson. 2017. *Biology and feminism: a philosophical introduction*. Cambridge, UK: Cambridge University Press. Developmental biology, p. 108-134 (27 p.)



Richardson, Sarah S. 2013. *Sex itself: the search for male and female in the human genome*. Chicago: University of Chicago press. Chapter 7, p. 125-148, and chapter 10, p. 201-227. (24+27 p.)

(Note that since 2013, Sarah Richardson has moved away from using the term gender critical towards gender reflective, as gender critical has been taken up by trans-exclusionary radical feminists to describe themselves.)

Suggestions for further reading

Jordan-Young, Rebecca. 2010. *Brain storm: the flaws in the science of sex differences*. Cambridge, Mass. Harvard University Press

Robyn Bluhm, Anne Jaap Jacobson, Heidi Lene Maibom (eds.). 2012. *Neurofeminism: Issues at the intersection of feminist theory and cognitive science*. Basingstoke: Palgrave Macmillan.

Zuk, Marlene, Garcia-Gonzalez, Francisco, Herberstein, Marie E. & Simmons, Leigh W. 2014. Model Systems, Taxonomic Bias, and Sexual Selection: Beyond *Drosophila*. *Annual Review of Entomology* 59: 321–338.

Queer perspectives on biological sciences (Wednesday 11 October 13–16)

Literature

Bagemihl, Bruce. 1999. *Biological exuberance: animal homosexuality and natural diversity*. London: Profile. Chapter 3. Two hundred years of looking at homosexual wildlife. p. 83-121. (39 p.)

Brooks, Ross. 2021. Darwin's closet: the queer sides of *The descent of man* (1871). *Zoological Journal of the Linnean Society*, Volume 191, Issue 2, February 2021, Pages 323–346, <https://doi.org/10.1093/zoolinnean/zlaa175> (24 p.)

Suggestions for further reading

Ah-King, M. & Nylin, S. 2010. Sex in an evolutionary perspective: just another reaction norm. *Evolutionary Biology* 37:234–246.

Monk, Julia, Giglio, Erin, Kamath, Ambika, Lambert, Max & McDonough, Caitlin E. 2019. An alternative hypothesis for the evolution of same-sex sexual behaviour in animals. *Nature Ecology & Evolution* 3(12) <https://doi.org/10.1038/s41559-019-1019-7>

Pollo, Pietro & Kasumovic, Michael M. 2022. Let's talk about sex roles: what affects perceptions of sex differences in animal behaviour? *Animal Behaviour* 183: 1-12.



Karen Warkentin presentation Crossing boundaries, disrupting binaries: a queer perspective on studying behavioral diversity: <https://www.youtube.com/watch?v=WCcyM8FoA54>

Project presentations and discussions. Evaluation. (Wednesday 18 October 10–16)

Some texts may be added to this list.