Epigenetics

* Study of environments influence on our genes
* DNA is hardware, epigenetics is software
* Tells our body which section of DNA to read at a given time
* Changes can turn off or on genes = gene regulation
* Comes from histone modification
  + Histones = DNA wrapped around proteins
  + Epigenetics changes through histone acetylation or DNA methylation
* Impact = sun (UV), diet, metals, drinking water pollutants, auto exhaust, radiation, hormones, pesticides, tobacco smoke, social interaction
* <http://www.letsgethealthy.org/students/games/epigenetics-game/>
* <https://student.societyforscience.org/article/epigenetics-wordfind>
* <http://learn.genetics.utah.edu/content/epigenetics/rats/>