**Reading for Lecture 11 (debate on regulation of genomic data):**

**Read** (all of these are also available as files on Canvas) :

* Ayday et. al, *IEEE Computer*, Feb 2015. Whole Genome Sequencing: Revolutionary Medicine or Privacy Nightmare?
* Pathway Genomics notice of privacy practices
* 23andMe legal consent agreement

Additional articles are available in the “Debater Starting Points” folder on Canvas

**Watch:** Eric Green and Francis Collins, just watch about 4:00 to 30:00 (Eric Green part)

<https://www.youtube.com/watch?v=R1cOqafAbhk&list=PL1ay9ko4A8snN7X7EUaID6FRtNRwjwLqr&index=10>

**Lecture 10: Exercises**

The resolution for the next debate is:

**Debate 4: Resolved: Commercially stored genomic data requires no further government regulatory controls.** *The Genetic Information Nondiscrimination Act (GINA) prohibits discrimination on the basis of genetic information in employment and in insurance, and it requires that employers holding genetic information treat it as medically confidential data. It does not, however, specify any particular security controls for “direct to consumer” companies that provide genetic data to individuals as a service. Should such companies be required to meet some standard for protecting the integrity and confidentiality of the data they hold?*

1. What are the two strongest arguments you found that would support the resolution?

2. What are the two strongest arguments you found that would oppose the resolution?

3. Compose one question that you would pose to the side arguing for the resolution.

4. Compose one question that you would pose to the side arguing against the resolution.