Midterm Exam

BINF 732 – Genomics

Due October 30, 2013

Please turn this in by the start of class on October 30, 2013.

1. Why is protein structure important? What are some important genomics problems/issues related to protein structure?
2. In the lectures a number of computational modeling and bioinformatics analysis have been presented with results. Please comment on how results from these types of study help to advance science in terms of new knowledge, facts, theories, hypothesis, and understanding.
3. What is annotation (relating to sequencing)? Why is it important?
4. Over the years, sequencing methods have become faster and less expensive. Explain how this has changed the way we do biological research?