

Lecture 3 – January 14, 2008

II. Biological factors

A. Genetics

- 1. Importance to health/disease**
- 2. What are genes?**
- 3. What do genes do?**
- 4. How do genes make proteins?**
- 5. How are genes activated?**
- 6. What are mutations?**
- 7. Back to thalassemia**
- 8. Conclusion**

**READING: CH. 1, 15, 14 (pp. 400-411), web article
http://www.ncbi.nlm.nih.gov/About/primer/genetics_genome.html**