

## **Lecture 4 – January 16, 2008**

### **II. Biological factors**

#### **A. Genetics**

- 6. What are mutations?**
- 7. Back to thalassemia**
- 8. Conclusion**

#### **B. Immunology**

- 1. What is immunity?**
- 2. Two types of immune response**
- 3. Two types of specific immunity**
- 4. Tissues of immune system**
  - a. lymph**
  - b. primary lymphoid organs**
  - c. secondary lymphoid organs**
  - d. cells**
    - 1. lymphocytes**
    - 2. phagocytes**

**READING: CH. 1, 15, 14 (pp. 400-411), web article [http://www.ncbi.nlm.nih.gov/About/primer/genetics\\_genome.html](http://www.ncbi.nlm.nih.gov/About/primer/genetics_genome.html), 2 (pp. 36-40)**