

Virology – Biology W3310/4310 Spring 2016

Prof. V. Racaniello

Study Questions for Lecture 15 – Mechanisms of pathogenesis

1. Understand the role of animal models in studying viral disease, how they are used, and the limitations.
2. What is viral virulence? How is it measured? Is it an absolute or relative property?
3. How are viral virulence genes identified? What are the different types of viral virulence genes that have been identified?
4. What is immunopathology? How do different components of the immune response cause damage??
5. What is the mechanism of immunosuppression and what are the consequences?
6. What is GWAS and SNPs? What do they have to do with identifying human genes that regulate susceptibility to viral infections?
7. What are other factors that control susceptibility to viral infection?