

**Virology – Biology 3310/4310 Spring 2017**  
**Prof. V. Racaniello**  
**Study Questions for lecture 10 - Translation**

1. How do IRES- and 5'-end dependent initiation mechanisms differ?
2. How do viruses get around the 'one mRNA, one protein' limitation of the eukaryotic translation apparatus?
3. What is an eIF2 $\alpha$  kinase and how does it function? How do viruses get around it?
4. What is the purpose of viral inhibition of cell translation? How is this inhibition accomplished?
5. Why do cells respond to viral infection by inhibiting translation? How is this inhibition achieved?