

**Virology – Biology W3310/4310 Spring 2016**  
**Prof. V. Racaniello**  
**Study Questions for Lecture 22 – Emerging infections**

1. What are the factors that lead to emergence of new viral infections?
2. What are: stable, evolving, dead-end, and resistant host-virus relationships? Provide an example of each.
3. Explain what factors lead to Hendra and nipah virus emergence.
4. What is the origin of Ebolavirus? Why is it a dead-end infection? How did it spread out of Africa during the most recent outbreak? How was the African outbreak contained?
5. What is known about the origin of the Zika virus epidemic and what important questions remain to be answered?