

Virology – Biology 3310/4310 Spring 2017
Prof. V. Racaniello
Study Questions for Lecture 23 – HIV and AIDS

1. Can an infected individual be 'cured' of HIV? Why or why not?

2. How do we know that HIV-1 originated in Africa? What are thought to be the factors leading to its emergence?

3. How do we know that SIVcpz from *Pan troglodytes troglodytes* is the ancestor of group M HIV-1?

4. What is an HIV-1 group and subtype, how did they arise, and why are they important?

5. How is HIV-1 transmitted? Is it very infectious?

6. What are the different stages of an HIV-1 infection?

7. How does HIV-1 infection cause immunosuppression?

8. What causes death in end-stage AIDS patients?

9. Is the course of HIV-1 infection always the same? Describe typical, rapid, and nonprogressors.

10. What are some promising approaches to preventing HIV-1 infection?