

The Institute for Molecular Virology Presents:
The 2006 U of M Virology Trivia Quiz

Current students & alumni

1. Name a current Ph.D. student studying viruses at the U of M who was a scholarship Div-1 ice hockey player as an undergraduate student. **Guylaine Hache (Ph.D. student in Reuben Harris' lab) was a student athlete at Bemidji State University prior to entering graduate school at Minnesota.**
2. Name 5 current IMV investigators who earned their terminal graduate degree (eg, Ph.D., M.D.) at the U of M. **Dwight Anderson, Scott McIvor, Tim Schacker, Jim Lokensgard, Neil Olszewski**
3. Name an IMV investigator who earned their undergraduate degree at the U of M, but not their graduate degree(s) and was not a postdoc here. **David Largaespada**
4. This University of Washington, Seattle faculty member is a well-known AIDS researcher who earned their Ph.D. degree at the U of M (not studying viruses). **James Mullins**

Research discoveries

5. This lab published a study in 1993 that helped finally silence Peter Duesberg and dispel his theory.
 - a. Who's lab? **Ashley Haase's Lab**
 - b. What was the discovery? **High levels of HIV replication in solid lymph tissue (See: Embretson et al. 1993 Nature 362:359-362.)**
 - c. What was Duesberg's theory? **HIV does not cause AIDS; After the initial viremia, HIV isn't detected in the blood and Duesberg argued that it could therefore not be responsible for the depletion of CD4+ T-cells and cause immunodeficiency. The Haase Lab's showing massive HIV replication in the solid lymph tissue provided an explanation for how HIV caused immunodeficiency.**
6. This former U of M faculty member discovered mouse mammary tumor virus (MMTV) in 1936, one of the first cancer-causing mammalian viruses identified. **John Bittner made the initial observation of a filterable agent associated with this disease at the Jackson Laboratories in Bar Harbor, Maine but proved the virus etiology at Minnesota. (See Bittner, 1936 Science 84:162)**
7. Who's properly credited for isolating ϕ 29 from a soil sample obtained on the St. Paul campus? **Bernard Reilly, a colleague of Dwight Anderson in the Dental School worked with Dwight and actually was the one who isolated ϕ 29.**
8. Name the current U of M faculty member who developed the first drug designed specifically for HIV. **Robert Vince developed carbovir. This is marketed as abacavir by Glaxo-Wellcome**

Notable faculty

9. This former U of M poliovirus researcher from the 1950's left Minnesota for Seattle, ending up in San Diego (at UCSD) and became a famous RNA virologist studying viral quasispecies. **John Holland was a young faculty member in the Department of Bacteriology and Immunology (now the Department of Microbiology at the U of M). John Holland is now retired and lives in northern California.**
10. Name the U of M faculty member who founded the Minnesota company Molecular Genetics, Inc. in Minnetonka (former employees included Lynn Enquist and Wes Sundquist). **Anthony Faras (also former founding Director of the Institute of Human Genetics at the U of M).**
11. Name the former U of M faculty member that was Dwight Anderson's Ph.D. advisor (was also IMV Symposium speaker Lynn Enquist's Ph.D. advisor but at another university). **Gayland Bradley was**

a very young faculty member in the Department of Bacteriology and Immunology and eventually moved from Minnesota to Virginia Commonwealth University.

12. This former U of M faculty member was the Secretary-Treasurer of the American Society for Virology for the past 25 years. **Sydney Grossberg**

Current faculty

13. This current U of M faculty member was IMV Symposium speaker John Coffin's first Ph.D. student. **Kathleen Conklin**
14. This current U of M faculty member has the rare distinction of being married to a virologist, of having a brother who is a virologist (and whose wife is also a virologist), and of having grown up near someone who has become a well-known virologist (with the same last name, but not a relative). **Steve Rice. His brother, Andy Rice is a HIV virologist at Baylor University and they grew up near Charles Rice, who is a Hepatitis C researcher at Rockefeller University.**

Viral Potpourri

15. Name 3 prominent virologists (specifically retrovirologists) who have siblings that are current U of M faculty members (2 are in the life sciences). **John Coffin (Laura Coffin Koch, Dept of Postsecondary Teaching & Learning), Hung Fan (David Fan, Dept of Genetics, Cell Biology & Development), Bob Silicano (Paul Silicano, Dept. of Biochemistry, Molecular Biology & Biophysics).**
16. Name a plant virus studied by IMV investigators. How is it related to HIV? **Banana Streak Virus, which is a pararetrovirus. Like HIV, they encode for a reverse transcriptase (also gag). This virus is studied by Profs. Neil Olszewski and Ben Lockhart on the St. Paul campus.**
17. Name the very first speaker in the IMV Research in Progress Series. **Reuben Harris**