

# SHTM RESEARCH SEMINAR

Wednesday, February 14, 2018

## Survival Strategies of *Yersinia pestis* in the Host

### Next seminar:

March 7<sup>th</sup>  
1:00pm

**Mary  
Squillace**

*If you have a suggestion for a presenter, or would like to present at a Research Seminar in the future, please contact Research Committee Chair, Gloria Viboud.  
(Gloria.viboud@stonybrook.edu)*

## Hana S. Fukuto, Ph.D

Clinical Laboratory Sciences/SHTM,  
Center for Infectious Diseases and Microbiology Dept

*Yersinia pestis* is a bacterium that is the causative agent of plague. *Yersinia pestis* is able to survive and replicate within murine macrophages and inside the flea vector. However, the mechanism by which *Y. pestis* promotes its survival these environments is not well understood. Dr. Fukuto will present a data suggesting that *Y. pestis* has acquired a genetic change during its evolution that may have contributed to the increased resistance to host antimicrobial defense.

All are welcome to attend!  
Seminars are hosted in the  
SHTM Large Conference Room, HSC-L2, 12-1 pm  
Sponsored by the SHTM Research Committee  
Food will be served  
Please RSVP via Google Invite or call 4-3621