

The Zumba Trap: A Novel Surveillance Tool for Host-Seeking Mosquitoes – Hina Bhalala (Fairfax County Health Dept)

- a) Study looking at 4 trap types
 - i) Zumba trap
 - (1) Human height
 - (2) Uses lure and dry ice
 - ii) BG Sentinel – uses lure and dry ice
 - iii) CDC light trap
 - iv) Faye-Prince trap
- b) Used trapping stations for Zumba and BG Sentinel to protect them from the elements
- c) Results
 - i) Zumba
 - (1) Mostly *Culex pipiens* and *Ae albopictus*
 - (2) Did better in mean # species than any other trap
 - ii) BG Sentinel caught more *Ae albopictus*
 - iii) Zumba trap outperformed CDC light traps
 - iv) Collected WNV+ *Ae albopictus* in Zumba and BG traps
 - v) Collected comparable numbers of *Culex* spp to the CDC gravid trap
- d) Problems
 - i) BG and Zumba need to be protected from rain
 - ii) Harder to transport and set
- e) Summary
 - i) Zumba traps provided good WNV surveillance
 - ii) BG traps and Zumba traps will be used in a larger study in 2008