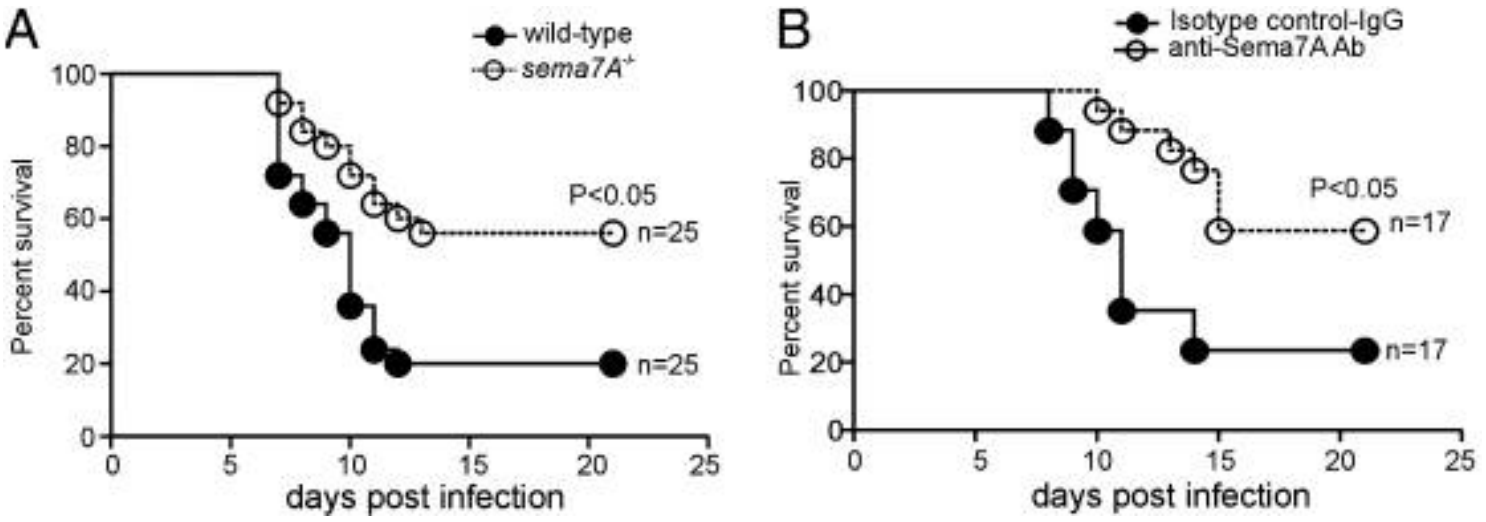
Molecular Biology and Chemistry Seminar Series

Semaphorins as potential therapeutics against vector-borne diseases

Dr. Hameeda Sultana
Old Dominion University



Sultana et al., 2012

Friday, November 6, 2015
4:00 pm
Forbes 1022

Semaphorins are a large family of phylogenetically conserved soluble and membrane bound proteins that functions in linking the immune and nervous system. My previous work has shown that semaphorin7A abrogation protects mice from lethal West Nile virus (WNV) infection. Sema7A antibody blocking was therapeutic against WNV pathogenesis and mortality. In this talk, I will shed some insights on the role of Semaphorins in vector borne diseases. My future direction is to combat the arthropod-borne diseases with semaphorins as potential candidates for drug discovery, therapeutics and vaccine development.