

Weekly Colloquium

Tuesday, 7/11/2017, 12:30pm, Billings Building – Rosedale Conference Room

“Viral encephalomyelitis: Determinants of outcome”

Diane E. Griffin, M.D., Ph.D.

Vice President, U.S. National Academy of Sciences

University Distinguished Service Professor

W. Harry Feinstone Dept Molecular Microbiology and Immunology

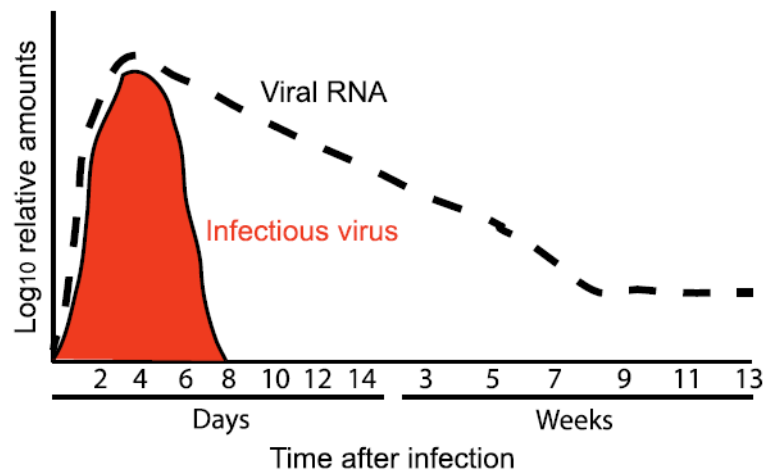
Johns Hopkins Bloomberg School of Public Health

Baltimore, MD



Diane E. Griffin is a University Distinguished Service Professor at Johns Hopkins Bloomberg School of Public Health. Her research interests are in pathogenesis of viral diseases with a focus on measles and alphavirus encephalomyelitis. These studies address issues related to virus virulence and the role of immune responses in protection from infection and in clearance of infection. She has shown that recovery from viral infection of neurons involves immune-mediated virus clearance mechanisms that are non-cytolytic and that viral RNA, as well as virus-specific immune cells persist in the CNS after apparent recovery.

Viral encephalomyelitis: Clearance of virus from the CNS



Recent Publications:

Randall, R.E. and Griffin, D.E. Within host RNA virus persistence: mechanisms and consequences. *Curr Opin Virol* 23:35-42, 2017.

McPherson, R.L.*, Abraham, R.*, Sreekumar, E., Ong, S-E, Cheng, S-J., Baxter, V.K., Kistemaker A.V., Filippov, D.V., Griffin, D. E* and Leung, A.K.L*. ADP-ribosylhydrolase activity of Chikungunya virus macrodomain is critical for virus replication and virulence. *Proc. Natl. Acad. Sci. USA* 114:1666-1681, 2017.

Baxter, V.K., Glowinski, R., Braxton, A.M., Potter, M.C., Slusher, B.S. and Griffin, D.E. Glutamine antagonist-mediated immune suppression decreases pathology but delays virus clearance in mice during nonfatal alphavirus encephalomyelitis. *Virology* 508:134-149, 2017.

Griffin, D.E. Perspective: Why are neurons susceptible to Zika virus? *Science* (in press)