

FRONTIERS IN BIOPHYSICS SEMINAR SERIES

“EVOLUTION OF ALPHAVIRUS HOST CELL ENTRY”



HOSTED BY:
Purdue Institute of
Inflammation, Immunology
and Infectious Disease (PI4D)
Molecular Biophysics Training
Program

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Abstract: Multiple proteinaceous alphavirus receptors have been discovered in recent years, including mammalian Mxra8, used by chikungunya and other members of the Semliki Forest virus family; avian Mxra8, used by the Western equine encephalitis virus family; LDLRAD3, used specifically by Venezuelan equine encephalitis virus; and VLDLR, used by Eastern equine encephalitis and select Semliki Forest family viruses. In this presentation we will explore the structural basis of these alphavirus/receptor interactions as well discuss the development of decoy receptors capable of neutralizing infections.

WEDNESDAY, February 28, 2024
1:30 PM

Martin C. Jischke Hall of Biomedical Engineering (MJIS) 1001



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