

# FOR5200 SEMINAR Series

GUESTS ARE WELCOME

Digital lecture - For access link please contact the DEEP-DV Office

## Matthew D. Weitzman, PhD

Department of Pathology and Laboratory Medicine  
Children's Hospital of Philadelphia, Philadelphia, USA

## *Viral take-over of cellular processes*



The Weitzman lab studies the interactions between virus and host to understand fundamental cellular processes. Using human DNA viruses as model systems, the group is in particular interested in - how the human genome does maintain its integrity despite viral genetic attacks? Investigating the DNA damage machinery during infection with multiple viruses has shown that viral genomes are a direct threat to the host genome. Consequently, the cellular DNA damage response is activated as a defense. The Weitzman lab has pioneered the study of activation of the DNA damage response as an intrinsic mechanism to defend virus infection and has opened up a new research field for investigating the biology of virus-host interactions.



**April 5th  
2022  
3:00 PM**



Disrupt - Evade - Exploit

Gene expression and host response programming in DNA virus infection

DEEP-DV Office

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