



## MMI 291 Seminar Series

Current Theme: Interdisciplinary Research  
Spring Quarter 2026 – CRN 46205

Join us for  
Medical Microbiology and Immunology Department  
research presentations

# Friday Seminar 12:10-1 p.m.

Genome and Biomedical Sciences Facility  
Auditorium – Room 1005  
Exit Seminar



### Erin Markle, Ph.D. Candidate

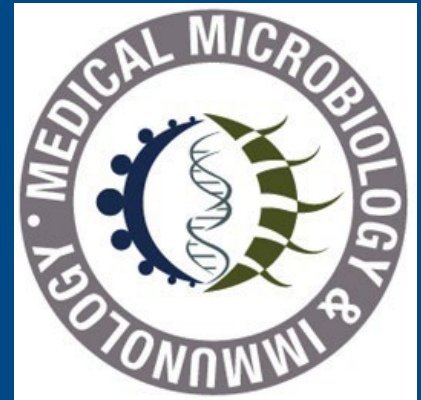
Exit Seminar - Microbiology Graduate Group

[Rothenburg Research Lab](#)

**Research Presentation Title:** Generation of Broad-Spectrum Antivirals to Overcome Mosquito-Borne Virus Infection

**Research Interests:** Erin Markle is a Ph.D. candidate in Microbiology in Stefan Rothenburg's lab. Her research focuses on developing recombinant enhanced antiviral restrictor proteins (REAVRs), which are engineered proteins designed to provide broad-spectrum antiviral activity against multiple viruses. Since many antiviral therapies are virus-specific or unavailable, there is a critical need for strategies that can target both known and emerging viral threats. In this seminar, she will discuss the design and antiviral activity of REAVRs against mosquito-borne viruses, including dengue, Zika, chikungunya, and Mayaro virus, and their potential as a platform for broad-spectrum antiviral strategies.

May  
29



May 29, 2026

12:10 – 1 p.m.

Genome and Biomedical Science Facility  
Auditorium Room 1005

Medical Microbiology and  
Immunology  
School of Medicine

Hybrid Seminar

Seminar Contact:  
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We hope to see you there!