

**Yale** SCHOOL OF PUBLIC HEALTH  
*Epidemiology of Microbial Diseases*

**EMD Seminar Series**

**Jesus G. Valenzuela, PhD**  
**Chief, Vector Molecular Biology Section**  
**LMVR, NIAID, NIH**

**“What’s behind a successful parasite  
transmission by a sand fly bite?”**

This talk will cover the role of vector derived factors (specifically sand fly saliva) in blood feeding, parasite transmission and as vaccines against leishmaniasis. Will also be describing a new developmental stage of *Leishmania* in the sand fly midgut and its impact on parasite development and transmission.

**12:00 PM Thursday, April 20, 2017**

**LEPH 101, 60 College Street**

**Host: S. Aksoy**