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Health Science Center at Houston  
School of Public Health

**FREE LUNCH**  
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attendees



**In Memory of  
James H. Steele, DMV  
1913-2013**

For more information  
about Dr. Steele  
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## Center for Infectious Diseases

*cordially invite you to attend the*

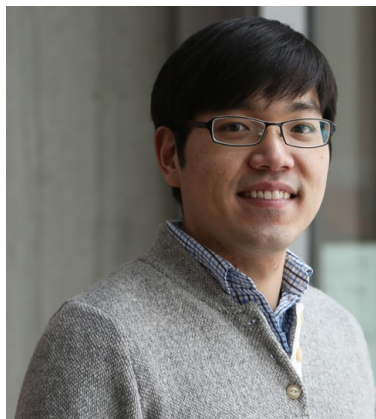
James H. Steele, DVM  
Fall Lecture

Dr. Jayhun (Jay) Lee  
Assistant Professor  
Department of Microbiology and  
Molecular Genetics

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**Thursday, October 27, 2022**  
12 – 1pm (CST)  
**RAS E705**

[Click here](#)  
to join remotely via Webex

Dr. Jayhun (Jay) Lee is an Assistant Professor in the Department of Microbiology and Molecular Genetics at the UTHealth Houston McGovern Medical School. Jay studies the biology of schistosomes, parasitic flatworms that cause schistosomiasis, a major neglected tropical disease that affects over 200 million people globally. Also known as blood flukes, schistosomes have the ability to thrive inside the host bloodstream for decades without being killed by the immune system. Using *Schistosoma mansoni* as a model, the Lee laboratory employs functional genomic tools to investigate the developmental mechanisms that equip schistosomes with such an ability, and how such ability relates to host-parasite interaction. Through studying the basic biology of schistosomes, the long-term goal of the Lee lab is to uncover the weaknesses of these parasites that can be exploited to devise new approaches to target them.

Currently, the Lee laboratory is investigating the role of schistosomes' digestive gland, a key parasite-host interface in parasite development, survival, and immune evasion.

For more information, please contact **Carolyn Wade**  
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