Center for Infectious Diseases

cordially invite you to attend the

James H. Steele, DVM
Fall Lecture

The Very Hungry Parasite: Discovery of How Schistosomes Evade the Host Immune System

featuring

Jayhun Lee, Ph.D.

UTHealth Houston McGovern Medical School
Assistant Professor
Department of Microbiology and Molecular Genetics

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 at Carolyn.S.Wade@uth.tmc.edu