

Investigation into HIV-1 Integrase Function in the Pursuit of Novel Therapies



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Human immunodeficiency virus (HIV), the causative agent of acquired immunodeficiency syndrome (AIDS), infects an estimated ~36.7 million people worldwide. One of major hurdles for treating HIV-1 arises from development of drug resistance to current therapies. HIV-1 integrase is essential for two distinct biological functions: integration and viral particle maturation making integrase an attractive therapeutic target. The overarching goal of my work is to dissect the mechanistic details of viral inhibition by allosteric integrase (IN) inhibitors (ALLINIs) during the late stage of HIV-1 replication with the purpose of developing novel HIV-1 inhibitors for the clinic.

Wednesday October 30th, 3:30-4:30 PM

Reed Hall 249