

Welcome to the Molecular-Machine-Shop

Date: Wednesday, Feb 7th, 2007, 4:00 pm

Venue: CMS Collaboratorium, 2nd floor

Speaker: Pei-Yong Shi, DID, Wadsworth Center, NYS-DOH

Title: Structure and Function of Flavivirus Methyltransferase:
A Novel Target for Antiviral Therapy

Flavivirus positive-strand RNA genomes contain a 5'-cap structure that is methylated. The NS5 non-structural protein catalyzes two distinct methylation reactions during cap formation. The NS5 methyltransferase is critical to the flavivirus lifecycle and represents a novel target for antiviral therapy.

