



NYSEM
New York Society of
Experimental Microscopists

The New York Society of Experimental Microscopists &
The New York Microscopical Society
Annual Joint Meeting
Wednesday January 23, 2008
7:30 PM

American Museum of Natural History
The People's Center Room

77th Street entrance between Columbus Avenue
and Central Park West

Hernando Sosa, Ph.D.

Associate Professor
Department of Physiology and Biophysics
Albert Einstein College of Medicine

"Imaging biological nano-motors"

Dr. Sosa's lab focuses on elucidating the structural basis of the mechanism of action of molecular motors. There are three superfamilies of molecular motors that produce linear forces and movement along cytoskeletal tracks, the myosins, the kinesins and the dyneins. These motors use the energy of ATP hydrolysis to move along cytoskeletal filaments. Myosins move along actin filaments while kinesin and dyneins move along microtubules. Dr. Sosa's talk will focus on the use of cryo-electron microscopy and other methods to elucidate molecular motor structures.

MEETINGS ARE FREE AND OPEN TO ALL!