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NATIONAL LABORATORY

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Frontiers in Materials Science
Seminar Series

Solvation Forces Organizing Ionic Systems



Adrian Parsegian

Gluckstern Chair, Professor of Physics
University of Massachusetts at Amherst

May 20, 2015, 10-11 a.m.
EMSL 1077

A leading international scholar in biological physics, Adrian Parsegian will discuss the importance of molecular solvation when macromolecular separations approach nanometers. The more these forces are measured, the more researchers see the exponential variation of force with separation among all kinds of biological molecules including lipids, saccharides, nucleic acids, and proteins.

Prior to his current position, Dr. Parsegian spent his career at the National Institutes of Health where he was a research physicist, Chief of the Laboratory of Structural Biology, and Chief of the Laboratory of Physical and Structural Biology Program in Physical Biology. He is the author or coauthor of more than 230 publications. Dr. Parsegian was the founding editor of *Biophysical Discussions* and chief editor of *Biophysical Journal*. He received his Ph.D. in Biophysics from Harvard University.