

Program in Plasma Science and Technology

Distinguished Speaker Lecture Series

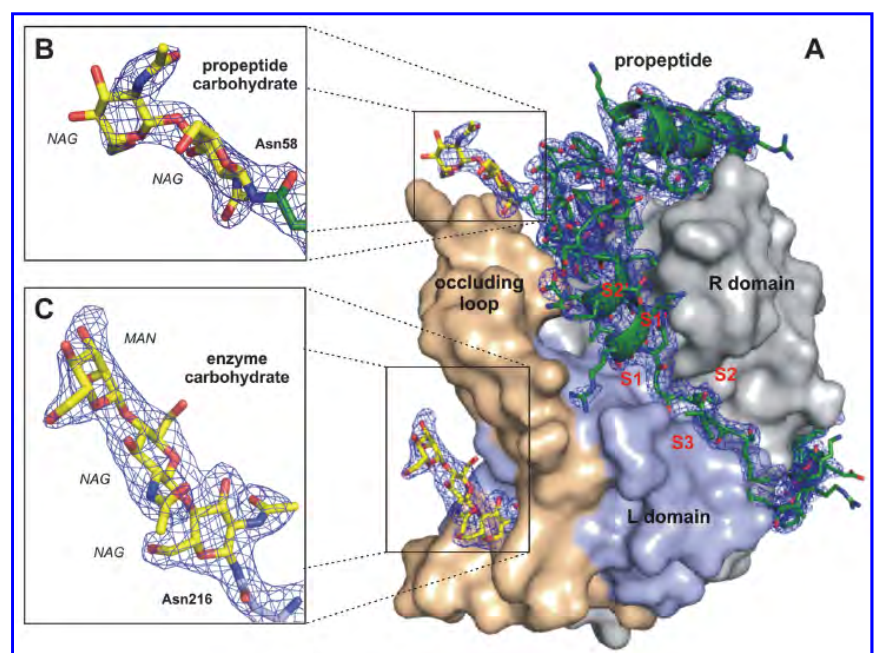
**4:30 p.m. - Monday, September 23, 2013**

Room 104, Computer Science Building, 35 Olden Ave., Princeton

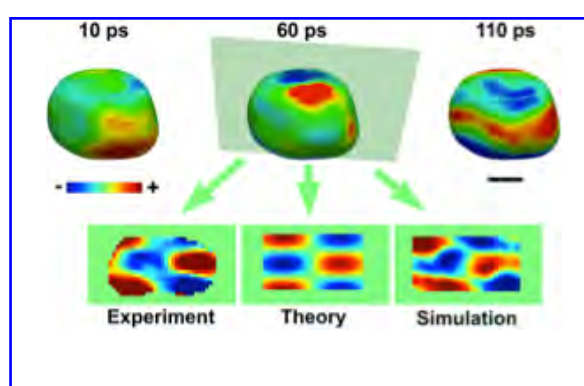
# The X-ray Free-electron Laser: Exploring Matter at the Angstrom-femtosecond Space and Time Scales

**Prof. C. Pellegrini**

Department of Physics and Astronomy, UCLA  
and SLAC National Accelerator Laboratory



A deeper understanding of atomic and molecular science is made possible by the use of new high-power short-pulse X-ray free-electron lasers. Their record levels of intensity and coherence has allowed scientists to probe the detailed geometry and chemistry of evolving small systems, from the atomic-molecular scale to nanoparticles, proteins, viruses and even cells.



**FREE AND OPEN TO THE PUBLIC**

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