Center for Molecular Spectroscopy and Dynamics, IBS-Korea University

IBS Center for Molecular Spectroscopy and Dynamics

COLLOQUIUM

- **SPEAKER**
  Dr. Chungwen Liang (IBS Center for Molecular Spectroscopy and Dynamics, Korea University)

- **TITLE**
  Computer simulations of biological systems: insights into molecular structural dynamics

- **ABSTRACT**
  With the growing computational power, computer simulations have become a well-established tool for investigating molecular structure and dynamics in modern science. In particular, molecular dynamics simulations and quantum chemistry calculations provide three-dimensional images of the system with atomistic resolution, and hence offer essential structural and dynamical information which can be hardly accessed by traditional experimental methods. In this colloquium, I will illustrate how computer simulations provide new insights into the structure and dynamics of biological systems, such as proteins, membranes and biomimetic solutions, and how computer simulations might help to interpret modern nonlinear optical spectroscopy experiments.

- **DATE AND VENUE**
  May 17, 2017 (Wednesday, 5:00-6:00 p.m.)
  Seminar Room 116, KU R&D Center

- **LANGUAGE**
  English