



IBS Center for Molecular Spectroscopy and Dynamics

COLLOQUIUM

- **SPEAKER**

Dr. Mooseok Jang (Department of Physics, Korea University)

- **TITLE**

Time-reversed light propagation: seeing through biological tissue

- **ABSTRACT**

What if we could see through our bodies? Time-reversed light propagation allows optical imaging of deep biological tissues, which has long been considered impossible because of the light scattering characteristic of biological tissues. We have developed a light manipulation technique to turn strongly scattering media such as biological tissue into a transparent media with an array of sensors and liquid crystal cells. The talk will present the underlying physics of time-reversed light propagation and proof-of-concept of seeing through biological tissue.

- **DATE AND VENUE**

October 26, 2016 (Wednesday, 5:00–6:00 p.m.)

Seminar room 116, R&D Center