

UCI Physics & Astronomy Department Colloquium

Thursday, March 9, 2017: 3:30 p.m., Rowland Hall 101

*Norman Rostoker Distinguished Lecture:*

**“Nanoparticle-based cancer therapy utilizing light,  
magnetic field and neutron beams”**



**Professor Fuyu Tamanoi**  
**Department of Microbiology, Immunology & Molecular Genetics**  
**Jonsson Comprehensive Cancer Center**  
**UCLA**

**ABSTRACT:**

Advances in Nanotechnology have led to the development of a variety of nanomaterials that are changing the way medicine is carried out. These developments led to a new budding effort at UCI on BNCT.

This is initiated by a team of researchers from diverse background; Dr. Tajima (Physics), Dr. Shaka (UCI Nuclear Reactor), Dr. Gulsen (Tumor Imaging), Dr. Smirnov (TAE, Beam and shield) and myself (UCLA, Cancer Therapy).

I would like to introduce this initiative during my talk. Our effort on BNCT is an example of convergence of Physical Sciences, Nanotechnology and Medicine.

This type of interdisciplinary effort is likely to lead to novel therapies that will have a lasting impact on medicine.

For more information, please visit the UCI Colloquium website:

[www.physics.uci.edu/seminar/special-rostoker-colloquium-nanoparticle-based-cancer-therapy-utilizing-light-magnetic-field](http://www.physics.uci.edu/seminar/special-rostoker-colloquium-nanoparticle-based-cancer-therapy-utilizing-light-magnetic-field)

**Professor Norman Rostoker**  
**University of California, Irvine**

