

Department of Pharmacology Seminar Series *presents:*

---

# Takao Shimizu, M.D. Ph.D.

Professor and Chairman  
Department of Biochemistry and Molecular Biology  
University of Tokyo

## Lipid Mediators in Health and Disease

**12:00pm, Friday, September 9, 2005**  
**Leichtag Building, Room 107**

*Host: Ed Dennis*



Dr. Takao Shimizu is one of the leading investigators in the lipid field spanning pharmacology, biochemistry and medicine. His laboratory has made major contributions to identifying, characterizing and cloning receptors of lipid mediators for eicosanoids including various prostaglandins and leukotrienes as well as the PAF receptor. He is the discoverer of the LTB<sub>4</sub> receptor. He was the first to make a knockout mouse for the cytosolic phospholipase A<sub>2</sub> (cPLA<sub>2</sub>) and to demonstrate that this enzyme plays pivotal roles in inflammation and cellular activation. He has made breakthroughs in describing numerous diseases in terms of their biochemical and pharmacological underpinning in lipid metabolism. Dr. Shimizu was the first recipient of the prestigious Ernest Schering Research Foundation Prize in 2000 for his discovery of the LTB<sub>4</sub> receptor.

Pharmacological Sciences Training Grant

Pharm Education Office  
University of California, San Diego  
9500 Gilman Drive  
La Jolla, CA 92093-0636

Phone: 858-822-4107  
Fax: 858-534-6833  
Email: [pharmeducation@ucsd.edu](mailto:pharmeducation@ucsd.edu)  
<http://pharmacology.ucsd.edu>