

GCOE23-08

IMSUT & RCAST GCOE Program Seminar < Global Education Seminar >

Date and Time : Tuesday May 24, 2011 10 : 30- 11 : 30

Venue : 2nd Floor Lecture Room, 2nd Building (東京大学医科学研究所 2号館 2階大講義室)

Speaker : Dr. Gordon D. Brown

Position : Professor

Affiliation : Institute of Medical Science, University of Aberdeen, UK

Seminar Title :

Pattern recognition and anti-microbial immunity: The role of C-type lectins

The innate ability to detect pathogens is essential for multicellular existence, and has been achieved through the evolution of germ-line encoded receptors which can recognise non-self structures, the so-called "pattern recognition receptors" (PRR). The C-type lectins (CLRs) are one such class of receptor, archetypically exemplified by the beta-glucan receptor, Dectin-1. We and others have demonstrated that Dectin-1 can mediate a variety of cellular responses, and can directly promote innate inflammation and the development of adaptive immunity. In this talk, we will review the role and functions of Dectin-1, as well as discuss some of the recent insights into the roles of newly identified CLRs which function similarly during microbial infection.

Host : Yoichiro IWAKURA (Center for Experimental Medicine and Systems Biology, IMSUT)

Kensuke MIYAKE (Division of Infectious Genetics, IMSUT)

IMSUT: Institute of Medical Science, The University of Tokyo

RCAST: Research Center for Advanced Science and Technology, The University of Tokyo

東京大学グローバルCOEプログラム

「ゲノム情報に基づく先端医療の教育研究拠点 -オーダーメイド医療の実現と感染症克服を目指して」

千葉大学グローバルCOEプログラム

「免疫システム統御治療学の国際教育研究拠点」

共催セミナー

Institute of Medical Science, The University of Tokyo (IMSUT)

Shirokane Campus: Shirokanedai Station (Subway Namboku Line & Mita Line), Exit 2; about 3 minutes walk

東京大学医科学研究所 白金キャンパス : 東京メトロ南北線・都営地下鉄三田線白金台駅、2番出口より徒歩3分

Contact: Center for Experimental Medicine and Systems Biology Tel 03-5449-5536