

Invitation

Seminar

Recombinant viral glycoproteins for receptor binding: Influenza, SARS

Speaker

Dr. Ian Martin Jones, Professor of Virology

*School of Biological Sciences
University of Reading, UK*

Date : 15th December, 2010

Time : 3 PM – 4 PM

**Place : Dewan Kuliah O&G,
Faculty of Medicine
Pusat Perubatan UKM, Cheras**

Organized by

Department of Medical Microbiology & Immunology
Pusat Perubatan UKM

All are cordially invited to attend.

For Reservation:

Email to,
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Prof. Ian Martin Jones

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Areas of Interest:

The main interest in my group is how proteins, mostly viral proteins, carry out the functions for which they have evolved and how this activity contributes to the virus life cycle. A number of virus contribute the model systems we work on, retroviruses (HIV and MLV) hepaciviruses (hepatitis C virus) and baculoviruses (Autographa californica MNPV). Although these virus models are diverse, they share certain activities which are probably mechanistically related. For example, all are enveloped viruses and must fuse with the cell membrane in order to deliver their nucleic acid and formally begin an infectious cycle. The more we understand about what happens when a virus docks with, and then enters, a cell, the better our chance of preventing it, so although our studies are quite specialised, they contribute to the development of better anti viral therapies. We make extensive use of protein expression and mutagenesis in our studies which, when combined with functional assays, allow us to map the sequences involved in biological activity. Although largely a molecular group we have an increasing interest in the atomic structure of the proteins with which we work and we also work on the isolation of protein ligands through the use of peptide display libraries.