

Kinase cascades, chromatin modification and gene induction

LC Mahadevan

*Professor, Nuclear Signalling Laboratory, Department of
Biochemistry, University of Oxford, UK*

Diverse extracellular factors elicit intracellular signalling responses that are linked to a set of genes in the nucleus, the Immediate-Early genes, amongst whose number are several oncogenes. We are studying the kinase cascades specifically targeted to transcription factors controlling these genes. In that effort, we discovered that the same cascades also cause alterations in chromatin, eliciting nucleosomal modifications at these genes. The use of small molecule compounds to inhibit these signalling cascades and responses is a major pharmaceutical objective, as they are implicated in cancer, inflammation and other medical conditions.



Date: 24 Sept 2003, Wed

Time: 4 pm

Venue: LT20

Host: Dr Ng Huck Hui

All are welcome



**Department of Biological Sciences
Seminar Announcement**