

SEMINAR ANNOUNCEMENT

DATE: 10 February 2012, Friday
TIME / VENUE: 11:00AM @ Level 3, IMCB Seminar Room 3-46, Proteos Building, Biopolis
SPEAKER: Dr. Asifa Akhtar
TITLE OF SEMINAR: **Dosage compensation: An intertwined world of RNA and chromatin remodeling**



Our lab is studying the chromatin and epigenetic mechanisms underlying X-chromosome specific gene regulation using *Drosophila* dosage compensation as a model system. Dosage compensation mechanisms regulate the expression of X-linked genes. In *Drosophila* this process leads to the transcriptional upregulation of the single male X chromosome and is regulated by an RNA-protein containing male specific lethal (MSL) complex. The MSL complex localizes on hundreds of sites on the male X chromosome and is involved in hyperacetylation of histone H4 at lysine 16 by MOF, histone acetyltransferase. We will present our progress on our efforts to study the MSL complex using multidisciplinary approaches.

Host: Prof. Stephen Cohen

*For upcoming seminars in IMCB, please visit our website at
<http://www.imcb.a-star.edu.sg/php/seminars.php>*