



**TIFR Centre for Interdisciplinary Sciences,
Narsingi, Hyderabad 500075**

Seminar

**Investigating mechanisms of blood progenitor maintenance
and stress response using *Drosophila***

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Abstract: Hematopoietic stem and progenitor cells reside within a specific microenvironment or the “niche” and the signals derived from it are critical in supporting progenitor maintenance in an undifferentiated state. Here, I describe novel niche-independent mechanisms of blood progenitor proliferation and maintenance. Furthermore, stress-response pathways that promote blood cell survival upon exposure to stress conditions will be presented. Overall, these results provide novel paradigms of progenitor cell maintenance during normal development and under stress conditions.

Date: Friday, March 1st 2013

Time: 11:30AM (Tea/Coffee at 11:15AM)

Venue: Conference Hall, TCIS

All are cordially invited