



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

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## **Seminar**

**Structural understanding of protein kinases inhibitory  
mechanism under solution conditions**

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**Abstract:** Protein kinases represent attractive drug targets due to their central role in many biological processes. I will talk about synergy between high resolution crystallographic data and information obtained from solution techniques such as nuclear magnetic resonance (NMR), surface plasmon resonance (SPR), isothermal calorimetry (ITC) and hydrogen deuterium exchange studies that provide an improved insight of binding of different inhibitors to two different tyrosine kinases: Abelson (ABL) and fibroblast growth factor receptor 1 (FGFR1). The enhanced understanding is informing design strategies for improved kinase inhibitors.

**Date: Tuesday, Aug 20<sup>th</sup> 2013**

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

**Venue: Conference Hall, TCIS**

***All are cordially invited***