

# Seminar Series

**15 March 2013**

---

## Dissecting survival mechanisms of pathogenic bacteria using high throughput next generation sequencing



*Speaker*

**Dr. Niyaz Ahmed, Ph.D.**

Associate Professor and Group Leader,  
Pathogen Biology Laboratory  
Dept. of Biotechnology & Bioinformatics,  
University of Hyderabad

**Dr.Ahmed** completed his graduation in Veterinary Medicine (Nagpur) and Master degree in Animal Biotechnology from the National Dairy Research Institute, Karnal, India and subsequently earned PhD degree in Molecular Medicine (Infectious Diseases) of the Manipal University. **Dr.Ahmed** has served as Staff Scientist and then Group Leader for 11 years at the Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad, before joining the University of Hyderabad in December 2008. **Dr.Ahmed** has since then set up a vibrant and interdisciplinary research group.

**Dr.Ahmed's** research stems from his expertise in bacterial genomics and evolution and with *Helicobacter pylori* and *M. tuberculosis* as models, his work remains pivotal in the decipherment of the population genetic structure of these pathogens in India and elsewhere – Nature Rev. Microbiol, 2008. His group has identified and characterized two novel virulence factors in *H. pylori* which are implicated in modulating the pro-inflammatory responses relevant in the development and progression of duodenal ulcer and gastric adenocarcinoma. **Dr.Ahmed's** group has emerged as frontrunner in translational genome sequencing in India.

**Venue: Seminar Hall, Aryabhata Block, C.R.Rao Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS), University of Hyderabad**

**Time: 11.30 AM**