

RSC/IIT BOMBAY Symposium on the Chemical Sciences **Celebrating the IIT Bombay Golden Jubilee**

3rd of February 2009,

IIT Bombay, FC Kohli auditorium KReSIT, (KR School of Information Technology Building
Powai, Mumbai 400 076



Organised and sponsored by:



Monday 2

7.30 Reception hosted by the British Deputy High Commissioner,
Vicki Treadell MVO at her residence. (*By invitation only*)

Address: 501 Shanudeep, 10 Altamount Road, Mumbai 400 026

Tuesday 3

9.00 **Opening Ceremony**

IIT Bombay Head of Chemistry Department, Professor Nand Kishore
British Deputy High Commissioner, Vicki Treadell MVO
CEO RSC, Dr Richard Pike
IIT Bombay, Director, Prof. Devang Khakhar

9.30 ***“Engineered protein pores for nanotechnology”***

Professor Hagan Bayley
Chemistry Department, Oxford University

10.00 ***“Natural products as source of new chemical entities in drug discovery: An industrial research perspective”***

Dr. Ram Viswakarma
VP Medicinal Chemistry & Natural Products, Life Sciences Nicholas Piramal,
Mumbai

10.30 ***“Vibrational excitation resulting from electron capture in LUMO of N₂, H₂ and CO molecules – a treatment using the TDWP approach”***

Professor Manoj K. Mishra
Department of Chemistry, Indian Institute of Technology Bombay, Mumbai

11.00 Coffee break

11.30 ***“Nanoscience and nanotechnology in the developing world”***

Dr Murali Sastry
CEO Tata Chemicals Innovation Centre, Pune

12.00 ***“Role of chemical reaction engineering in the design of catalysts and catalytic processes”***

Dr. Ajit Sapre
Group President (Research & Technology), Reliance Industries, Mumbai

- 12.30 **“Building Competitive Edge through Industrial and Academic Partnerships”**
Dr Hugo Vits
President, Shell Global Solutions, France
- 13.00 Lunch
- 14.00 POSTER SESSION
- 15.00 ***“Combination of living radical polymerisation and click chemistry for polymers in therapeutic applications”***
Professor Dave Haddleton,
Chemistry Department, University of Warwick
- 15.30 ***“Synthetic glyco-conjugates in the recognition of small and large molecular systems including lectins and glycosidases”***
Professor Chebrolu Pulla Rao
Department of Chemistry, Indian Institute of Technology Bombay, Mumbai
- 16.00 ***“Complex Self-Assembly and Reassembly Starting from Simple Building Blocks”***
Dr Jonathan Nitschke
Chemistry Department, University of Cambridge
- 16.30 Coffee/Tea break
- 17.00 ***“Nature to Natural Products and More”***
Professor Krishna P. Kaliappan
Department of Chemistry, Indian Institute of Technology Bombay, Mumbai
- 17.30 ***“A Total Synthesis of the Antifungal Agent Galbonolide B the Development of a New Reaction for the Synthesis of the Antibiotic Lactonamycin”***
Professor Philip Parsons
Chemistry Department, Sussex University
- 18.00 Closure—Final Remarks by chairs
- 20.00 Dinner hosted by RSC West Section