

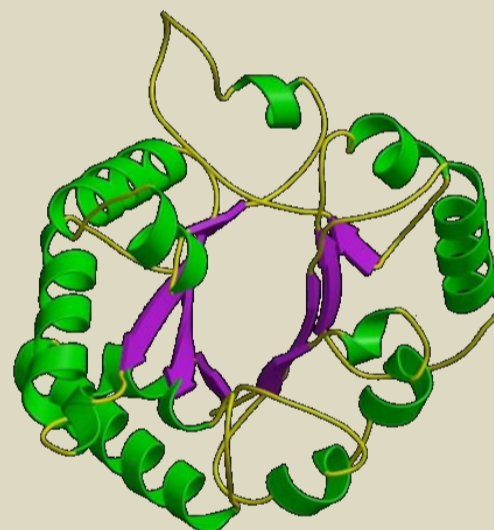
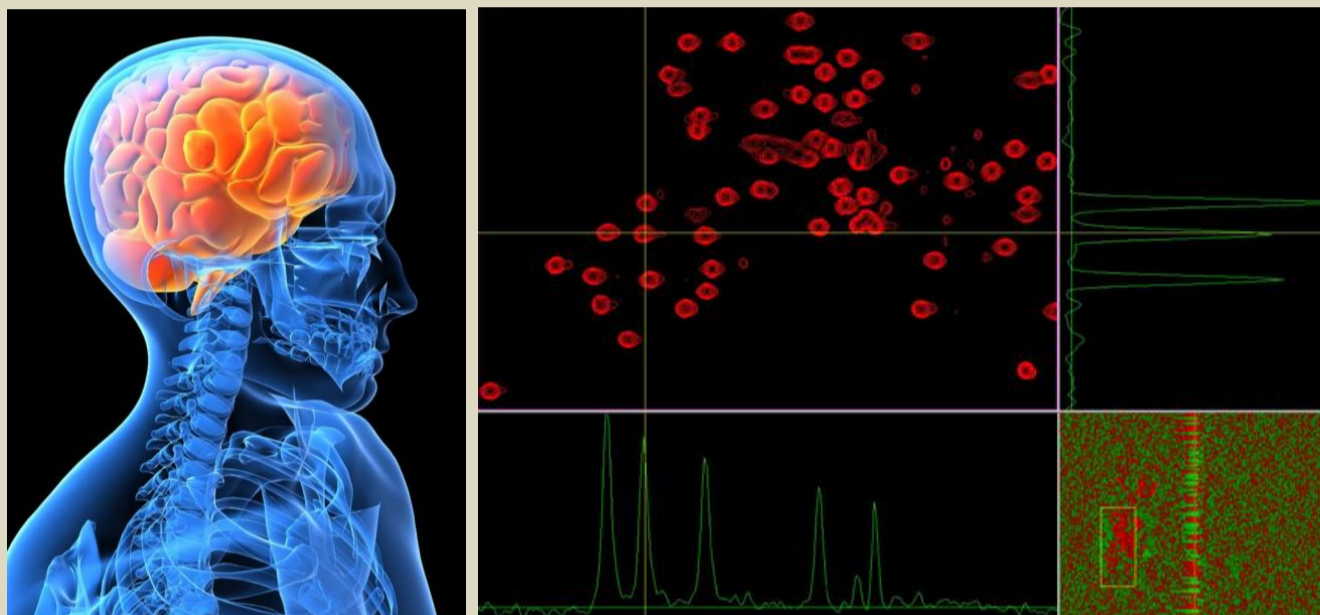
UNIVERSITY OF MUMBAI &amp; DEPARTMENT OF ATOMIC ENERGY

**Centre *for* Excellence in Basic Sciences**

in association with the

**Homi Bhabha Centre for Science Education****Public Lecture**

During the past decades, Nuclear Magnetic Resonance (NMR) has developed into a most powerful tool for obtaining revealing insights into chemical systems and processes, into the secrets of molecular biology and the function of proteins and nucleic acids, and into the human organism for understanding the functioning of organs, for studying the metabolism, for exploring the human brain, and, most importantly, for diagnosing diseases in clinical medicine. A survey on the possible applications and on the multitude of highly sophisticated techniques will be given.



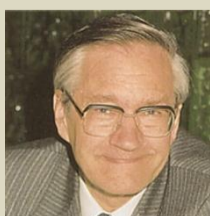
## Fascinating Insights in Chemistry, Biology and Medicine by NMR

by **Prof. Richard Ernst, NL**

Laboratorium für Physikalische Chemie, ETH Zürich

**Tuesday, 17 August 2010 at 4.00 p.m.**

**Phirozshah Mehta Auditorium, University of Mumbai, Kalina Campus, Mumbai 400098**



*Prof. Richard R. Ernst (b 1933) is a Professor at the Laboratorium für Physikalische Chemie – ETH, Zürich. In 1991 he was awarded the coveted Nobel Prize in Chemistry "for his contributions to the development of the methodology of high resolution nuclear magnetic resonance (NMR) spectroscopy". Apart from research, he has a deep and abiding love for Asian art, particularly for Tibetan scroll paintings.*