



## NOBEL LAUREATE LECTURE SERIES

# IMPACT OF RESEARCH IN NATURAL SCIENCES IN HUMAN DAILY LIFE

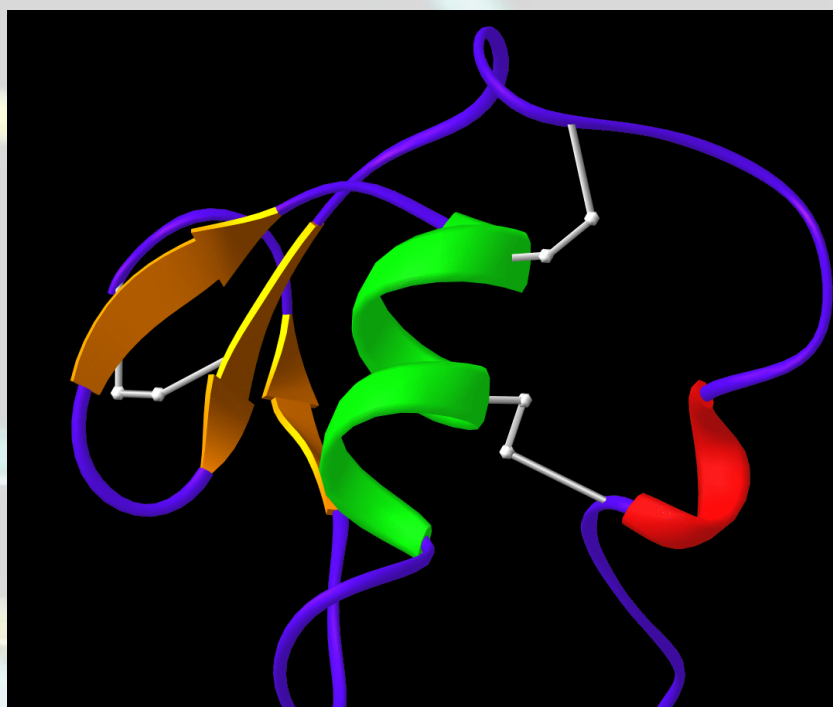
by Prof. Kurt Wuthrich, **NL**

The Scripps Research Institute, California & ETH, Zurich

**Saturday, January 7, 2012 at 1130 hrs**

**Pherozshah Mehta Auditorium**

**University of Mumbai, Vidhyanagari Campus, Kalina**



*Prof. Kurt Wuthrich is the Cecil H. and Ida M. Green Professor of Structural Biology, the Scripps Research Institute, California. He is also associated with ETH, Zurich as a Professor of Biophysics. He has numerous awards to his credit including the prestigious Louisa Gross Horwitz Prize, Columbia University and Nobel Prize in Chemistry in 2002.*

“Current day comfort of human life is largely due to results of basic research projects which were pursued without stated interest in practical applications. A striking example is the role of electronics devices in our daily life. I will present illustrations from my own research, where I use techniques of nuclear magnetic resonance (NMR) spectroscopy. NMR was first observed as a physics phenomenon in 1946, and its discoverers, Felix Bloch and Edward Purcell, were awarded the Physics Nobel Prize in 1952. Today the NMR phenomenon has spawned one of the most powerful diagnostic methods in human medicine, magnetic resonance imaging (MRI), as well as key techniques in chemistry, material research and structural biology, which contribute to industrial processes in areas such as agriculture, car and airplane construction, or rational structure-based drug design”.

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