

Prof. G N Ramachandran Gold Medal for Excellence in Biological Sciences & Technology

CSIR instituted a Gold Medal in 2004 in the fond memory of Prof. G N Ramachandran, a pioneer of protein chemistry and the founding father of structural biology in India, for recognizing excellence in the interdisciplinary subject /field of Biological Sciences & Technology.

Till the year 2008, five scientists have been bestowed with this prestigious award : Prof. M Vijayan (2004), Prof. P Balaram (2005), Prof. T P Singh (2006), Prof. C Ramakrishnan (2007), Prof. M R N Murthy (2008).

For the year 2009, 2010 and 2011, the Advisory Committee recommended the following scientists for Prof. G N Ramachandran Gold Medal.

Prof. R V Hosur (2009)

Tata Institute of Fundamental Research, Mumbai

Prof. R.V.Hosur of Tata Institute of Fundamental Research, Mumbai, has made outstanding contribution in deciphering protein structure and dynamics using Nuclear Magnetic Resonance (NMR) spectroscopy. His research over the last decade pertains to multidimensional NMR, protein folding and self association, DNA structure and dynamics. He has developed new NMR pulse sequences to solve complex macromolecular structures providing new insights.



Dr Dinakar M. Salunke (2010)

Regional Centre for Biotechnology, Gurgaon

Dr Dinakar M. Salunke of Regional Centre for Biotechnology, Gurgaon, has addressed fundamental issues pertaining to the specificity of antigen recognition and provided structural insights into the maturation of antibody response using elegantly designed crystallographic studies. He has also elucidated diverse facets of molecular mimicry in the context of humoral immune response.



Prof. Jayant B. Udgaonkar (2011)

National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bangalore

Prof. Jayant B. Udgaonkar of National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bangalore, has made pioneering contributions to the understanding of protein folding, stability, dynamics and aggregation. His pathbreaking contribution showing that polypeptide chain contraction and collapse precede structure formation during folding, has received international acclaim. His recent finding about the pathways for the aggregation of the prion protein provides a lucid molecular explanation for a number of neurodegenerative disorders.

