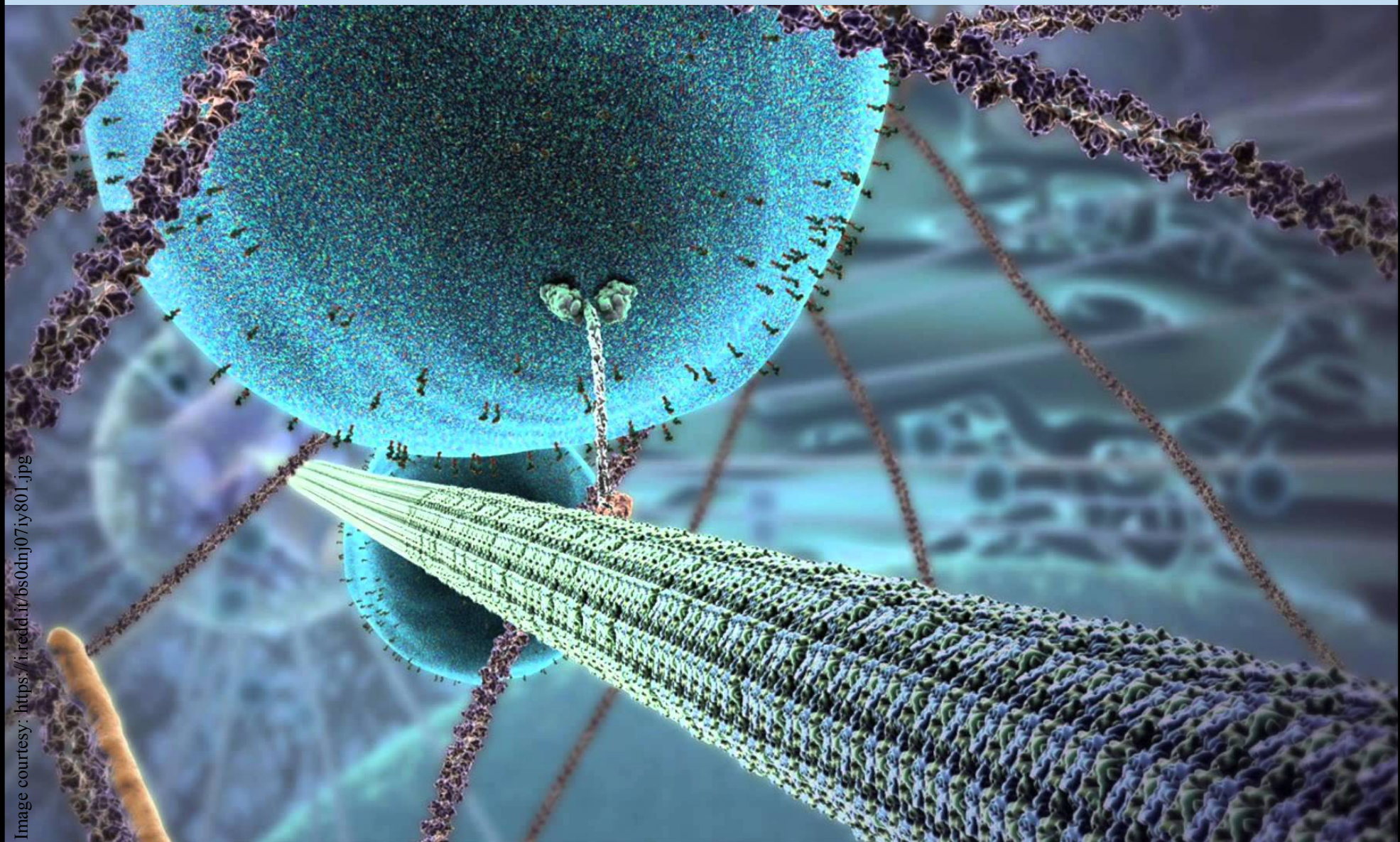




*Prof. Roop Mallik*

**Winner of the 2018 Infosys Prize in Life Sciences**

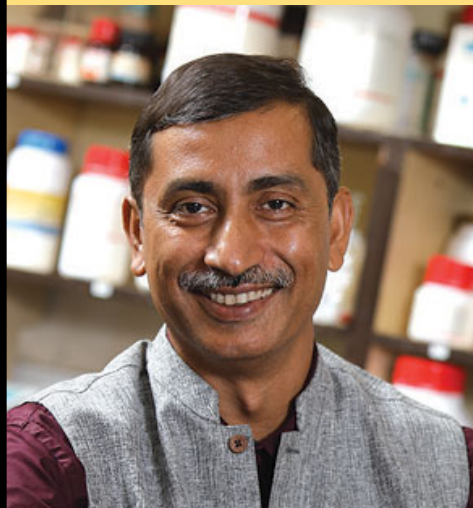


**Optical Tweezers and Nanoscale Biological Machines**

**5:30 PM | 27th March 2019**

**C.V.RAMAN Hall**

**IISER Tirupati**



**Prof. Roop Mallik**

Department of Biological Sciences

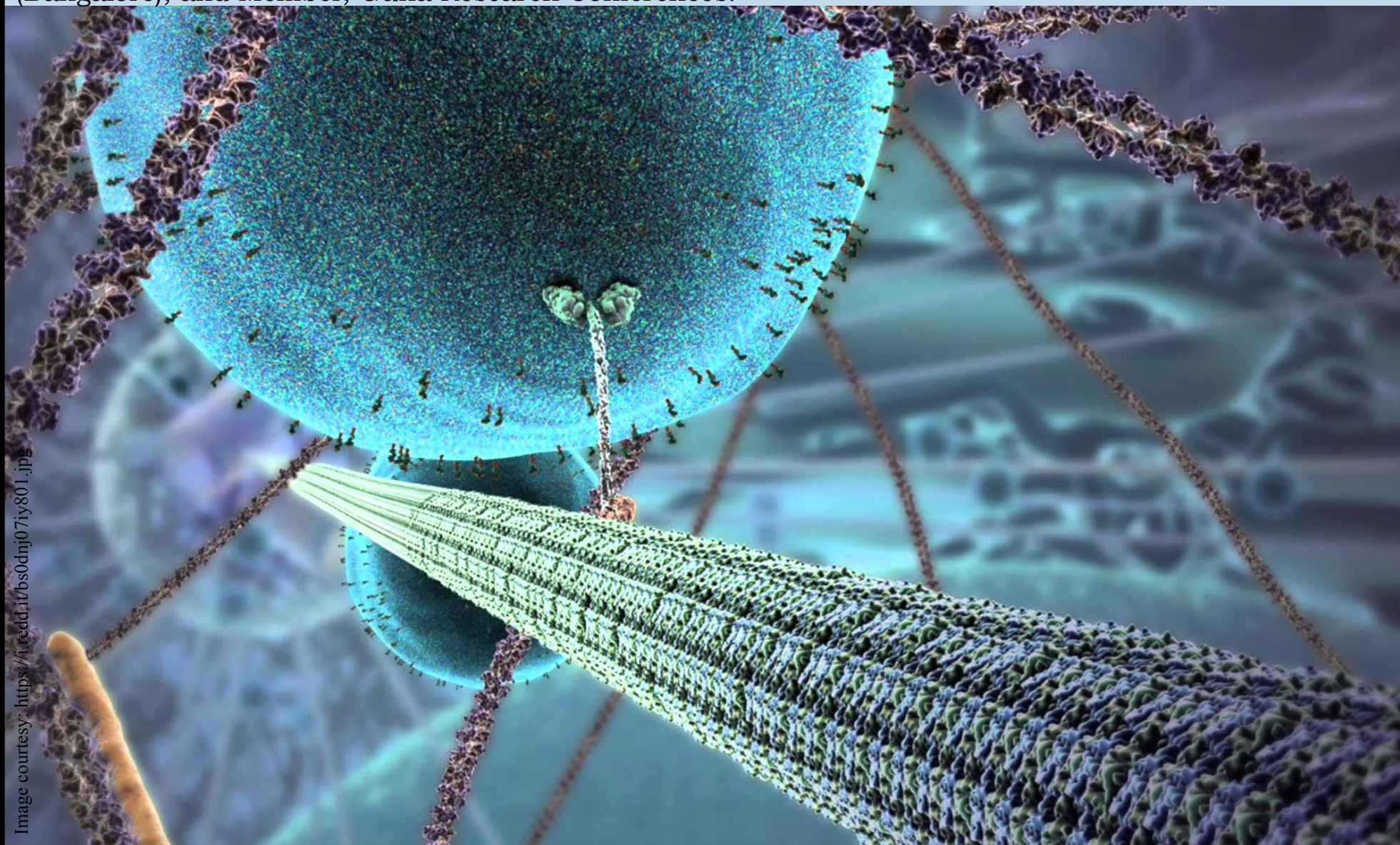
Tata Institute of Fundamental Research, Mumbai

**Winner of the 2018 Infosys Prize in Life Sciences**

Dr. Roop Mallik is a Professor in the Department of Biological Sciences at Tata Institute of Fundamental Research, Mumbai. He completed his Master's in Physics from Allahabad University and Ph.D. in Condensed Matter Physics at TIFR, Mumbai.

He was a Human Frontier Sciences Program (HFSP) Long-term Postdoctoral Fellow (2001-2006) at the University of California, Irvine. From 2001-2005,

He is also a recipient of the Shanti Swarup Bhatnagar Award in Biology (2014). He was International Senior Research Fellow with the Wellcome Trust (UK) from 2006-2012. Dr. Mallik has been Senior Fellow with the Wellcome-DBT India Alliance since 2013. He is a Fellow of the Indian Academy of Sciences (Bangalore), and Member, Guha Research Conferences.



Prof. Roop Mallik is best known for his pioneering works on molecular motor proteins. These proteins are crucial for the functioning of living cells. Prof. Mallik has identified and measured forces generated by motor proteins to transport large particles inside cells using a cutting-edge technique optical tweezers. He has also demonstrated the role of molecular motors in fundamental processes such as targeting pathogens to their destruction and moving lipid droplets for fatty acid regulation in the liver

**5:30 PM | 27th March 2019, C.V.RAMAN Hall, IISER Tirupati**