



Lichfield Science & Engineering Society

LICHFIELD **GARRICK**
Theatre & Studio

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7:30 pm on Thursday 16th November 2017
in the Main Theatre of the Lichfield Garrick, Castle Dyke, Lichfield

The 28th Erasmus Darwin Memorial Lecture

SEEING IS BELIEVING: 100 YEARS OF VISUALIZING MOLECULES

Venki Ramakrishnan



Venki shared the Nobel Prize for Chemistry in 2009 and has been President of The Royal Society since 2015. He is Group Leader at the Medical Research Council's Laboratory of Molecular Biology. He is a Member of the US National Academy of Sciences, Leopoldina (the national academy of Germany) and the European Molecular Biology Organization, and a Foreign Member of the Indian National Science Academy.

Ramakrishnan is a molecular biologist whose many scientific contributions include his work on the atomic structure of the ribosome. As the site within living cells where the genetic information is read to synthesise proteins from amino acids, the structure of the ribosome has yielded many fundamental insights into how the ribosome works and how antibiotics inhibit it. More recently, he has used electron microscopy to visualize ribosomes in action in higher organisms including humans. In the past he has also worked on histone and chromatin structure, which help us to understand how DNA is organised in cells.

The period of 100 years covers the development of molecular visualization from Bragg's X-Ray crystallography in 1912, not long after Röntgen identified X-Rays, to the current use of high-resolution electron microscopy techniques, which was awarded this year's Nobel prize.

Tickets are available now from the LichfieldGarrick Box Office

Public £13, LSES Members £11

Book online at <http://www.lichfieldgarrick.com> or Phone 01543 412121

For further information, please see our website at www.LSES.org.uk