

Public Lecture

The ribosome story

By Prof. Anders Liljas

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Lund University, Paradisgatan 2, Lund, Sweden

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Prof. D.N. Marshall Auditorium, Jawaharlal Nehru Library
University of Mumbai, Vidyanagari Campus, Kalina

Research on protein synthesis emerged during the 40s and 50s. A dramatic step was in 1980 when Ada Yonath managed to get the first crystals of ribosomal subunits. High resolution structures of both subunits became available in 2000 and the year after, a medium resolution structure of the whole ribosome. This has made the whole field flourish both biochemically and structurally. The talk will focus on the interplay of the ribosome with translation factors.



Anders Liljas obtained his Ph.D. in Chemistry and Docent in Molecular Biology from the University of Uppsala, Sweden in 1971, and became full professor of Molecular biophysics at Lund University in 1988.

During 1993-2003, he was Dean and Deputy Dean for Chemistry of the Mathematics and Natural Science Faculty, Lund University. He has been Coordinator for structural biology within the SWEGENE consortium, and Deputy Chairman of the Board of the MAX laboratory (1998 – 2005). He was a member of the Nobel Prize Committee for Chemistry from 1995 – 1998 and then from 2001-2008.

His scientific interests include protein and nucleic acid structure, in particular molecules involved in protein synthesis; enzymes; and protein crystallography at synchrotrons.

