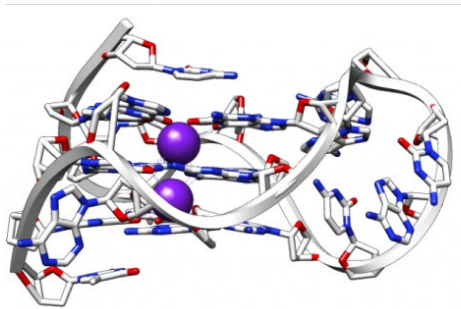
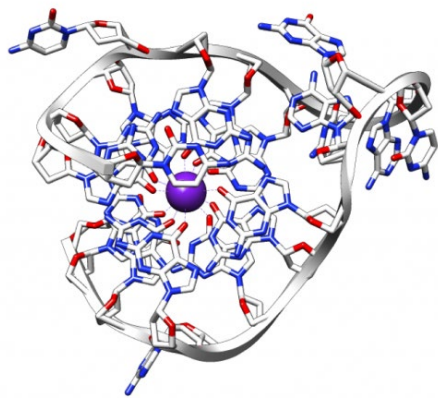


Sir Shankar Balasubramanian
University of Cambridge, UK



The structure and function of G-quadruplexes



DNA is structurally dynamic in ways that have a consequence for biological processes.

In this lecture I will discuss four-stranded DNA structures, called the G-quadruplexes, that can be formed from G-rich, single-stranded DNA. Biophysical and structural experiments have shown G-quadruplexes can be stable under near-physiological conditions in buffer.

Synthetic organic probe molecules and engineered proteins have been invaluable for the exploration of G-quadruplexes.

I will discuss the evidence that G-quadruplexes actually form in human cells, along with our current understanding of what they do in biological systems and the molecular basis for how they may achieve this.

Nov. 03, 2023
at 2.00 p.m.

Lecture Hall, Frauenklinik

Entrance opposite of the CMMC Research Building
Robert-Koch-Str. 21, 50931 Cologne

Host:
Robert Hänsel-Hertsch



Registration &
information