Structure of DNA at Chromosome Ends
By
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Abstract:

The chromosome ends in eukaryotic cells are called Telomeres. Although Telomeres are essential for genome integrity and play an important role in cellular aging and cancer, knowledge about their physical structures is still limited. Telomeric DNA consists of tandem repeats of cytosine-rich sequences on one strand and guanine-rich sequences on the other strand. Both strands are prone to formation of structures that are different from the canonical Watson-Crick double helix. In this seminar, studies of the so-called i-motif and G-quadruplex structures adopted by DNA Telomeric sequences will be presented and their implications for anticancer drug design will be discussed.

Date: Friday, 10 Nov 2006
Time: 10.30am to 11.30am
Venue: PAP Meeting Room (SBS B3n-19)