

Special Issue

Telomeres in Development, Senescence and Genome Instability: 2nd Edition

Message from the Guest Editor

Telomere biology, as a special area of biology, was identified 1971–1973 by Alexey Olovnikov (1936–2022) through his research on the under-replication of the ends of linear chromosomes. In his telomeric theory of aging, Alexey Olovnikov also determined the key roles of telomeres in various fundamental processes, such as cell death, cancer, and aging. Indeed, telomere functions are closely linked to many cellular processes, in particular through telomere signalling mechanisms, although their molecular basis remains poorly understood. Telomere shortening and telomere dysfunction are hallmarks of cellular senescence, aging and oncogenesis, highlighting the importance of the telomere state in genome stability. This Special Issue will compile research and methodological articles, reviews, and the opinions of authors regarding the diverse and fascinating field of telomere biology.

Guest Editor

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