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The Role of Telomere Biology in Aging and Human Disease

Guest Editor:

Dr. David Gilley

Department of Chemistry and
Applied Biological Sciences,
South Dakota School of Mines &
Technology, Rapid City, SD
57701, USA

Deadline for manuscript
submissions:

closed (30 April 2019)

Message from the Guest Editor

Dear Colleagues,

Ground breaking fundamental work in identifying and discovering the basic roles of telomeres and telomerase has laid the foundation for a plethora of evidence that telomere biology plays multiple crucial roles in human health. Telomere biology has been implicated in major human biological processes from aging, cancer, cardiovascular disease, numerous heritable disorders and other human disease and disease resistant states.

In this Special Issue, we invite your contributions, either in the form of original research articles, reviews, or shorter perspective articles on all aspects related to the theme of “The Role of Telomere Biology in Aging and Human Disease”. Relevant topics include, but are not limited to:

- Telomere biology and cancer
- Telomere biology and the environment
- Telomere dynamics in stem and progenitor cells
- Heritable telomere disorders
- Modes of telomere dysfunction in human systems
- Human telomere biology
- Telomeres and aging
- The role of telomeres in cardiovascular disease
- Telomere biology and disease resistance (including tumor suppression) pathways
- Telomere biology and the DNA Damage response



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Special Issue



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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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Cells Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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