

Special Issue

Stem Cells: Past, Present, and Future

Message from the Guest Editors

Stem cells are unspecialized immature cells of the human body that are able to generate a single specialized tissue, multiple tissues or the whole organism. In recent years, stem cells have gained impressive attention both in tumor biology, where cancer growth is shown to be driven by stem-cell-like behavior, and in regenerative medicine, where stem cells are fundamental in the reparation and regeneration processes. Today, stem cells are studied and used in medicine as targets of pharmacological testing, in cell-based therapies, in transplants, and more. In the near future, stem cells might be used in different clinical applications with innovative studies and techniques, such as the use of bioprinters and bioreactors capable of mimicking the in vivo body environment and aiding ad personam organ or tissue replacement.

In this Special Issue of Life, we wish to invite investigators from basic, clinical, and translational research or closely related disciplines to contribute original articles, reviews, communications, and concept papers.

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