

Special Issue

Advances in the Study of Cell Cycle

Message from the Guest Editor

The growth and development of an organism are closely related to cell cycle regulation, e.g., the development of a fertilized egg. Tight regulations via cell cycle progression and checkpoint machinery ensure the maintenance of the genome and prevent aberrant cell cycle progression. The nature of molecular mechanisms that regulate the progression of the cell cycle has been identified; dysregulation of this process can lead to diseases, including cancer and degenerative disorders. However, understanding the mechanisms operating in the cell division cycle is still required. In this Special Issue, we focus on regulator proteins contributing to the control of the cell cycle.

We invite original research papers and reviews discussing updates on cell cycle machinery and cell cycle checkpoint mechanisms. Papers and reviews on cell cycle regulation in the developmental stages and meiotic cell cycle regulation, and tissue-specific cell cycle regulation are also welcomed. Finally, we encourage the submission of manuscripts focusing on defects in cell cycle checkpoints in cancer and diseases.

Guest Editor

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