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Cell Division: More Help in Forensic Medicine

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Abstract: ***Cell Division is a extremely regulated process. Cell mechanism and its Division is a very important step in solving human health problem's. dismember the mechanisms of cell Division used classical genetics approaches to identify genes involved in mitosis and deployed biochemical approaches to isolate and identify proteins critical for cell Division. If it is my intent in this brief review to discuss the strategies in this genetics approaches of the new conclusions that have come to light***
Keywords: Cell Division, extremely regulated, dismember, biochemical ,strategies proteins, genomics, classical genetics

I. INTRODUCTION

The main function cell Division is to produce two daughter cells from single mother cell so that repeated cell Division generate of cell from mother cell [parant cell] further new cells cannot arise from pre-existing cells without cell Division .cell Division divided into four major phases:- prophase, metaphase, anaphase, telophase. These cells are involved in the following :-(1) growth and development of somatic tissues of the organism (2) regeneration of damaged tissue (3)production of new organs and tissue (4)replacement of old organ and tissues (5)asexual reproduction and (6)sexual reproduction (7)cell division perform another vary important function of keeping the size of cells within a limited range.

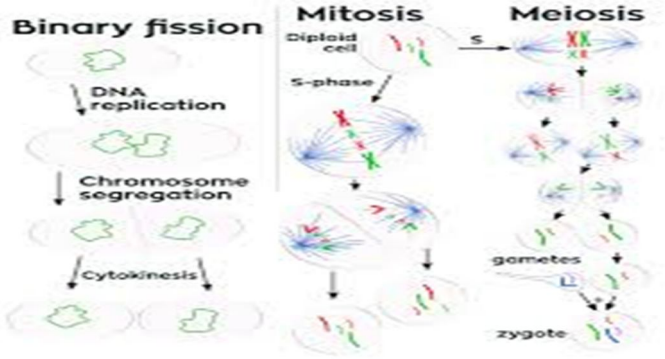
In prokaryotic cell division the bacterial division was termed as a fission. As the chromosome replication begins an progress. While un replicated terminus sequence remains at mid-cell position at the time of completion of chromosome replication, the two origin septum and separated at he cell ends, and the terminus sequences are at septum protein DNA A is the replication initator. Once replication initiated, inhibitors, prevent replication initiation second time till the cell cycle is completed.

II. CLASSICAL DISMEMBER [DISSECTION]

Classical genetics is a phenotype- driven approach to the dissection of biological process using a appropriate transpons or T-DNA. It is possible to quickly connect. Common approach post transcriptional silencing by antisense RNA interference (RNA i) In a classical genetics approach the selection of mutants relies on a screen able phenotype. The example of classical genetics is the sceening with visible light for changes in the levels of anthoeyanim. Pigments more elaborate screens using high though put metabolite detection method are possible.

III. STRUCTURAL DISSECTION OF CELL DIVISION

Structural studies is important to dissect a structural dissection we focused on Mad2, Mad2 function depends on its structure. The structural studies helped elucidate the means by which Mad2 functions within the mitotic checkpoint complex, the large structure like kinetochores is important for understanding the protein complexes formed during mitosis and for developing. Small molecule that can disrupt this interaction.



IV. COMPUTATIONAL DISSECTION OF CELL DIVISION

Computational Techniques (Biochemical & Biological Techniques)to glean information from time-lapse imaging of cell division have also been developed this approaches have also been used to discover a novel substrate of mitotic protein kinasis.

V. FUTURE PERSPECTIVE

Although much has been discovered about the mechanism that drive cell division, many novel factor that play role in cell division are still being discovered.

VI. GRANT INFORMATION

We Thank the journal of National Library of Medicine for a artistic help in constructing and give a important information.

VII. ACKNOWLEDGEMENTS

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The abbreviations used are:

1) CDK: Cyclin-dependent kinase
2) APC/C: Anaphase-promoting complex/cyclosome
3) MPF: Maturation-promoting factor
4) ROS: Reactive oxygen species.

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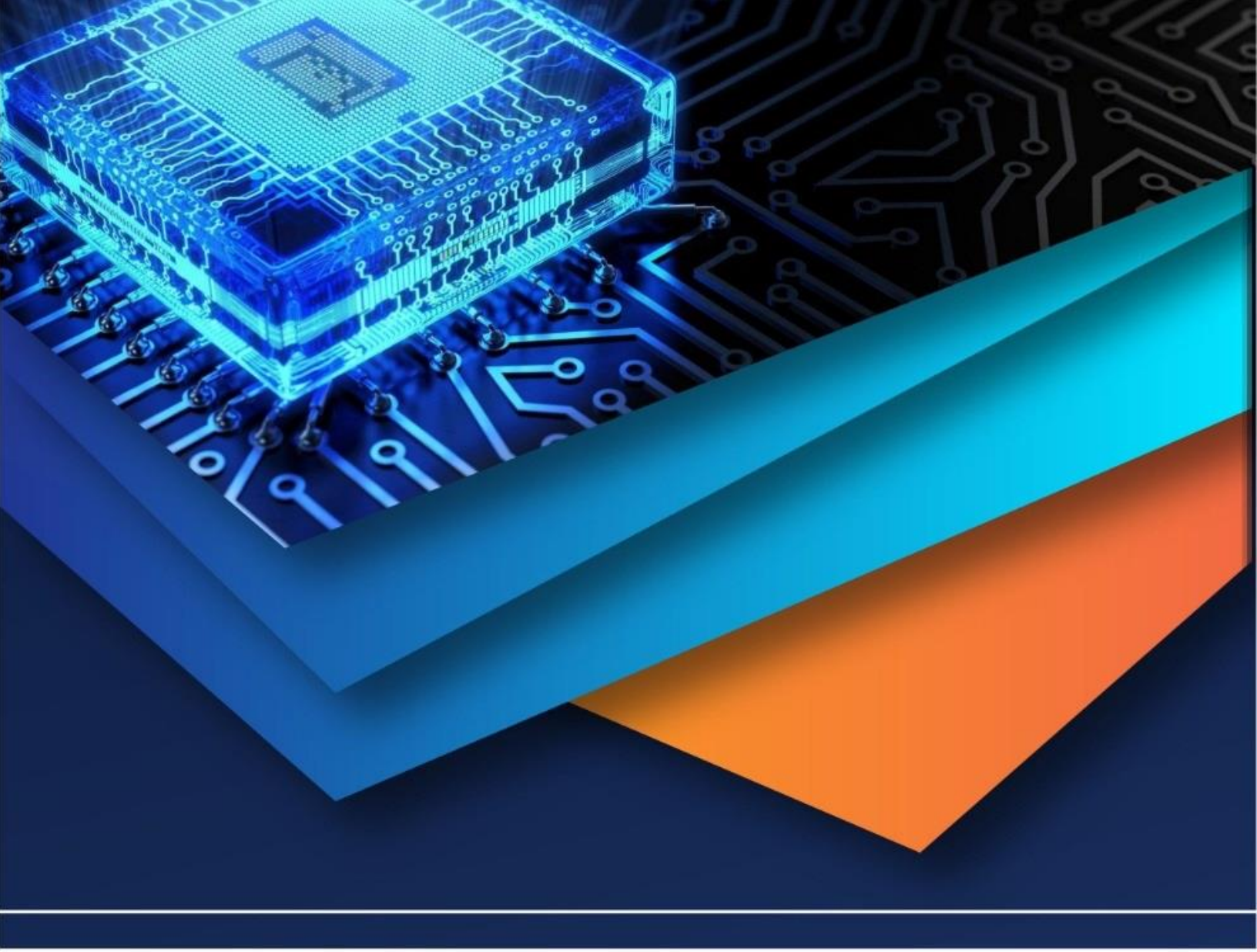

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