Mindluster Platform

About the course DNA replication and types

Course Presenter : Bio science

DNA replication, in this course we will learn about DNA replication, the essential biological process that ensures genetic information is accurately passed from one cell to the next. We will explore the structure of DNA, the enzymes involved in replication such as helicase, DNA polymerase, primase, and ligase, and understand how replication forks form and proceed. The course will cover the differences between leading and lagging strand synthesis, the formation of Okazaki fragments, and the proofreading mechanisms that ensure accuracy. Weâ€™ll also examine the differences in replication between prokaryotes and eukaryotes, and discuss the three theoretical models of replicationâ€”conservative, semi-conservative, and dispersiveâ€”with emphasis on the experimentally proven semi-conservative model. By the end of this course, learners will have a deep understanding of the molecular mechanics behind DNA duplication and its critical role in life continuity. Bio science

Medical Category's Courses

Course Lesson(11)

Lesson 1 : **DNA REPLICATION part 1 BY PHANINDRA GUPTA**

Lesson 2 : **DNA REPLICATION part 2 BY PHANINDRA GUPTA**

Lesson 3 : **MESELSON STAHL EXPERIMENT dna recombination BY PHANINDRA GUPTHA**

Lesson 4 : **DENATURATION AND RENATURATION BY PHANINDRA GUPTHA**

Lesson 5 : **COT CURVE ANALYSIS PROCEDURE BY PHANINDRA GUPTHA**

Lesson 6 :
STRUCTURES OF DNA AND RNA DIFFERENCES BIOTECHNOLOGY BY PHANINDRA GUPTA

Lesson 7 :
WHICH TOPIC ARE YOU FEELING DIFFICULT REGARDING BIOLOGY BY PHANINDRA GUPTHA

Lesson 8 : **ROLLING CIRCULAR REPLICATION DNA REPLICATION BY PHANINDRA GUPTA**

Lesson 9 :
STRUCTURE OF TRANSPOSONES DNA AND RETERO TRANSPOSOSNES BY PHANINDRA GUPTA

Lesson 10 : **D LOOP REPLICATION DNA REPLICATION BY PHANINDRA GUPTA**

Lesson 11 : **DIFFERENCES BETWEEN DNA AND RNA BY PHANINDRA GUPTA**

Related courses

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business@mindluster.com