

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Biotechnology - NOC:Molecular Biology

Subject Co-ordinator - Prof. Vishal Trivedi

Co-ordinating Institute - IIT - Guwahati

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Cellular Structure (Prokaryotic cells)
Lecture 2 - Cellular Structure (Eukaryotic cells)
Lecture 3 - Cellular Structure (Eukaryotic cells)
Lecture 4 - Cell Fractionation - Part 1
Lecture 5 - Cell Fractionation - Part 2
Lecture 6 - Cellular Metabolism - Part 1
Lecture 7 - Cellular Metabolism - Part 2
Lecture 8 - Cell Cycle and Control - Part 1
Lecture 9 - Cell Cycle and Control - Part 2
Lecture 10 - Program Cell Death
Lecture 11 - Biomolecules - Part 1 : DNA
Lecture 12 - Biomolecules - Part 2 : DNA Sequencing
Lecture 13 - Biomolecules - Part 2 : RNA
Lecture 14 - Amino acids
Lecture 15 - Protein
Lecture 16 - Enzymes
Lecture 17 - Genetic Material - Part 1
Lecture 18 - Genetic Material - Part 2
Lecture 19 - Genetic Material - Part 3
Lecture 20 - Central Dogma of Molecular Biology
Lecture 21 - Replication - Part 1 : Prokaryotic System
Lecture 22 - Replication - Part 2 : Prokaryotic System
Lecture 23 - Replication - Part 2 : Eukaryotic System
Lecture 24 - Mutagenesis and repair Mechanism
Lecture 25 - Transcription in Prokaryotic system
Lecture 26 - Transcription in Eukaryotic System
Lecture 27 - Post Transcriptional modifications
Lecture 28 - Gene Control Mechanism - Part 1
Lecture 29 - Gene Control Mechanism - Part 2

Get DIGIMAT For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

<http://www.digimat.in>

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

- Lecture 30 - Translation in Prokaryotic system
- Lecture 31 - Translation in Eukaryotic System
- Lecture 32 - Post Translational modifications
- Lecture 33 - Southern Blotting
- Lecture 34 - Northern Blotting
- Lecture 35 - Western Blotting - Part 1
- Lecture 36 - Western Blotting - Part 2
- Lecture 37 - Polymerase Chain Reaction - Part 1
- Lecture 38 - Polymerase Chain Reaction - Part 2
- Lecture 39 - Real-Time PCR
- Lecture 40 - Cloning - Part 1
- Lecture 41 - Cloning - Part 2
- Lecture 42 - Cloning Vectors
- Lecture 43 - DNA Delivery - Part 1
- Lecture 44 - DNA Delivery - Part 2
- Lecture 45 - Screening of Recombinant Clones
- Lecture 46 - Protein Over-expression
- Lecture 47 - Genome Editing - Part 1
- Lecture 48 - Genome Editing - Part 2
- Lecture 49 - Applications of Molecular Biology - Part 1
- Lecture 50 - Applications of Molecular Biology - Part 2
- Lecture 51 - Applications of Molecular Biology - Part 3
- Lecture 52 - Applications of Molecular Biology - Part 4