

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

NPTEL Video Course - Biotechnology - NOC:Cell Biology: Cellular Organization, Division and Processes

Subject Co-ordinator - Prof. Shikha Laloraya

Co-ordinating Institute - IISc - Bangalore

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

- Lecture 1 - Introduction to Cell Biology, Cell components, organization and processes - Part I
- Lecture 2 - Introduction to Cell Biology, Cell components, organization and processes - Part II
- Lecture 3 - DNA: The genetic material - Part I
- Lecture 4 - DNA: The genetic material - Part II
- Lecture 5 - Regulation of the cell cycle - Part I
- Lecture 6 - Regulation of the cell cycle - Part II
- Lecture 7 - Checkpoints: The DNA damage and DNA replication checkpoints
- Lecture 8 - The Ubiquitin Proteasome system
- Lecture 9 - S-phase: Regulation of entry into S-phase and DNA Replication
- Lecture 10 - DNA replication - Part I
- Lecture 11 - DNA Replication - Part II
- Lecture 12 - DNA Replication - Part III
- Lecture 13 - DNA Replication - Part IV
- Lecture 14 - Mitosis - Part I
- Lecture 15 - Cytokinesis
- Lecture 16 - Aging and Senescence
- Lecture 17 - Apoptosis - Part I
- Lecture 18 - Apoptosis - Part II
- Lecture 19 - Meiosis - Part I
- Lecture 20 - Meiosis - Part II
- Lecture 21 - Nuclear organization
- Lecture 22 - SMC proteins and chromosome organization - Real-Time imaging of DNA loop-extrusion by SMC complex
- Lecture 23 - The cohesin complex and its functions - The mysterious biological function of chromosome loops
- Lecture 24 - Chromatin organization
- Lecture 25 - SMC proteins and chromosome organization - Introduction
- Lecture 26 - Meiosis - Part III
- Lecture 27 - Mitosis - Part II
- Lecture 28 - Cell diversity and properties of specialized cells-Budding yeast as a model system
- Lecture 29 - The Plant Cell

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 - Stem cells - Part I Intro-SL
- Lecture 31 - Stem cells - Part II
- Lecture 32 - Nerve cells
- Lecture 33 - The Cancer Cell