

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

NPTEL Video Course - Biotechnology - NOC:Drug Delivery: Principles and Engineering

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Co-ordinating Institute - IISc - Bangalore

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

Lecture 1 - Drug Delivery Introduction and Pharmacokinetics
Lecture 2 - Pharmacokinetics (Continued...)
Lecture 3 - Pro-drugs and Polymers Introduction
Lecture 4 - Polymers - Synthesis
Lecture 5 - Polymers - Properties
Lecture 6 - Biomedical Polymers
Lecture 7 - Biodegradable Polymers and Polymer Drug Conjugates - I
Lecture 8 - Polymer Drug Conjugates - II
Lecture 9 - Research Paper Discussion and Diffusion Controlled Systems
Lecture 10 - Controlled Release
Lecture 11 - Controlled Release
Lecture 12 - Controlled Release
Lecture 13 - Math Exercise
Lecture 14 - Hydrogels - I
Lecture 15 - Hydrogels - II
Lecture 16 - Hydrogels - III
Lecture 17 - Hydrogels - IV
Lecture 18 - Nano and Micro-particles - I
Lecture 19 - Nano and Micro-particles - II
Lecture 20 - Nano and Micro-particles - III
Lecture 21 - Nano and Micro-particles - IV
Lecture 22 - Nano and Micro-particles - V
Lecture 23 - Nano and Micro-particles - VI
Lecture 24 - Nano and Micro-particles - VII
Lecture 25 - Protein Adsorption - I
Lecture 26 - Protein Adsorption - II
Lecture 27 - Protein Adsorption - III
Lecture 28 - Tissue Engineering - I
Lecture 29 - Tissue Engineering - II

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Lecture 30 - Tissue Engineering - III
Lecture 31 - Drug Delivery in Tissue Engineering - I
Lecture 32 - Drug Delivery in Tissue Engineering - II
Lecture 33 - Implant Associated Infections - I
Lecture 34 - Implant Associated Infections - II
Lecture 35 - Route Specific Delivery
Lecture 36 - Route Specific Delivery
Lecture 37 - Route Specific Delivery
Lecture 38 - Route Specific Delivery
Lecture 39 - Route Specific Delivery
Lecture 40 - Route Specific Delivery
Lecture 41 - Route Specific Delivery
Lecture 42 - Research Paper Discussion
Lecture 43 - Route Specific Delivery
Lecture 44 - Intravenous Administration
Lecture 45 - Immune System - II
Lecture 46 - Complement System and Blood Clotting
Lecture 47 - Blood Clotting and Hemocompatibility of Materials; Adaptive Immune Response
Lecture 48 - Adaptive Immune Response and Vaccine
Lecture 49 - Vaccines
Lecture 50 - Vaccines and Immuno-isolated Cell Therapy
Lecture 51 - Immuno-isolated Cell Therapy
Lecture 52 - Immuno-isolated Cell and Gene Therapy
Lecture 53 - Gene Delivery
Lecture 54 - Gene Delivery
Lecture 55 - Genes as Vaccines
Lecture 56 - Vaccines
Lecture 57 - Cancer Vaccines
Lecture 58 - Cancer Vaccine
Lecture 59 - Responsive Delivery Systems - I
Lecture 60 - Responsive Delivery Systems - II
Lecture 61 - Targeted Drug Delivery System
Lecture 62 - Targeted Drug Delivery System
Lecture 63 - Nanotoxicology and Translation Pathways