

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

NPTEL Video Course - Biotechnology - NOC:Immunology

Subject Co-ordinator - Prof. Agneyo Ganguly, Prof. S. K Ghosh

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Basic Concepts in Immunology
Lecture 2 - Basic Concepts in Immunology (Continued...)
Lecture 3 - Basic Concepts in Immunology (Continued...)
Lecture 4 - Basic Concepts in Immunology (Continued...)
Lecture 5 - Basic Concepts in Immunology (Continued...)
Lecture 6 - Innate Immunity
Lecture 7 - Inflammatory Response
Lecture 8 - Adaptive Immunity
Lecture 9 - Adaptive Immunity (Humoral)
Lecture 10 - Effector Mechanisms
Lecture 11 - Structure of antibody
Lecture 12 - Structure of antibody and T-Cell Receptors
Lecture 13 - Generation of diversity (GOD) of lymphocyte antigen receptors (Continued...)
Lecture 14 - Generation of diversity (GOD) of lymphocyte antigen receptors (Continued...)
Lecture 15 - Generation of diversity (GOD) of lymphocyte antigen receptors (Continued...)
Lecture 16 - Generation of diversity (GOD) of lymphocyte antigen receptors (Continued...)
Lecture 17 - Structural variation in immunoglobulin constant regions and isotype switching
Lecture 18 - Structural variation in immunoglobulin constant regions and isotype switching (Continued...)
Lecture 19 - Antigen recognition by T cell
Lecture 20 - Antigen recognition by T cell
Lecture 21 - Antigen Recognition by T cell
Lecture 22 - Antigen Recognition by T cell
Lecture 23 - The Generation of \hat{I}^{\pm}
Lecture 24 - The Generation of \hat{I}^{\pm}
Lecture 25 - Summary of Immune system
Lecture 26 - Tools and Techniques
Lecture 27 - Tools and Techniques (Continued...)
Lecture 28 - Tools and Techniques (Continued...)
Lecture 29 - Tools and Techniques (Continued...)

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- Lecture 30 - Flow Cytometry
- Lecture 31 - Development of T Lymphocytes
- Lecture 32 - Development of T Lymphocytes (Continued...)
- Lecture 33 - Development of T Lymphocytes (Continued...)
- Lecture 34 - T Cell Mediated Immunity
- Lecture 35 - T Cell Mediated Immunity (Continued...)
- Lecture 36 - B-Cell Maturation - I
- Lecture 37 - B-Cell Maturation - II
- Lecture 38 - B-Cell Activation
- Lecture 39 - B-Cell Activation and Differentiation
- Lecture 40 - Effector T - Cells
- Lecture 41 - Complement System Overview
- Lecture 42 - Complement System Overview (Continued...)
- Lecture 43 - Complement Biological Consequences
- Lecture 44 - Complement Biological Consequences (Continued...)
- Lecture 45 - Cytokines
- Lecture 46 - Cytokines
- Lecture 47 - Cytokines in Innate and Adaptive Immunity
- Lecture 48 - Interferons
- Lecture 49 - Hypersensitivity
- Lecture 50 - Hypersensitivity (Continued...)
- Lecture 51 - Autoimmunity
- Lecture 52 - Autoimmunity (Continued...)
- Lecture 53 - Autoimmunity (Continued...)
- Lecture 54 - Transplantation or Graft vs. Host Reaction
- Lecture 55 - Transplantation or Graft vs. Host Reaction (Continued...)
- Lecture 56 - Active and Passive Immunity and Vaccination
- Lecture 57 - Active and Passive Immunity and Vaccination (Continued...)
- Lecture 58 - Active and Passive Immunity and Vaccination (Continued...)
- Lecture 59 - Monoclonal Antibody
- Lecture 60 - Monoclonal Antibody (Continued...)