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

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NPTEL Video Course - Chemistry and Biochemistry - Essentials in Immunolgy
Subject Co-ordinator - Prof. Anjali Karande, Dr. Dipankar Nandi, Dr. R. Manjunath
Co-ordinating Institute - IISc - Bangalore
Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable
Lecture 1 - Introduction to the immune system
Lecture 2 - Cells and Organs of the immune system - Part 1
Lecture 3 - Cells and Organs of the immune system - Part 2
Lecture 4 - Cells and Organs of the immune system - Part 3
Lecture 5 - Innate immunity - Part 1
Lecture 6 - Innate immunity - Part 2
Lecture 7 - Development and differentiation of B cells - Part 1
Lecture 8 - Signaling in B cells
Lecture 9 - Organization of immunoglobulin genes and Mechanism of immunoglobulin gene rearrangement
Lecture 10 - Generation of antibody diversity
Lecture 11 - Immunoglobulin class switching Regulation of Immunoglobulin gene regulation
Lecture 12 - Structures and functions of Immunoglobulinâ s
Lecture 13 - The three complement pathways
Lecture 14 - Hypersensitivity type 1
Lecture 15 - Hypersensitivity types 2, 3,4 and Autoimmunity
Lecture 16 - Autoimmunity Autoimmuno-deficiencies f the B cells
Lecture 17 - Autoimmuno-deficiencies f the B cells
Lecture 18 - Cancer
Lecture 19 - The major histocompatibility complex - Part 1
Lecture 20 - The major histocompatibility complex - Part 2
Lecture 21 - The major histocompatibility complex - Part 3
Lecture 22 - The Major Histocompatibility Complex
Lecture 23 - The Major Histocompatibility Complex
Lecture 24 - The Major Histocompatibility Complex
Lecture 25 - T cell receptors
Lecture 26 - T cell Activation
Lecture 27 - T cell Activation / Differentiation
Lecture 28 - T cell synapse, motility and subsets
Lecture 29 - T cell survival
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Lecture 30 - Cytokines - Part 1
Lecture 31 - Cytokines - Part 2
Lecture 32 - Autoimmunity
Lecture 33 - Immunodeficiency
Lecture 34 - Host response mechanisms during infectious diseases - Part 1
Lecture 35 - Host response mechanisms during infectious diseases - Part 2
Lecture 36 - Transplantation immunology
Lecture 37 - Vaccines
Lecture 38 - Antigens and Immunogens
Lecture 39 - Synthetic vaccines
Lecture 40 - Evolution of the immune system
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