

Section 1: Immunologic Basis of Autoimmunity

1. Prelude: Historical introduction to autoimmunity and autoimmune disease
2. Structural and Functional Aspects of the Innate and Adaptive Systems of Immunity
3. General Features of Autoimmune Diseases (same title new contributor, new content)
4. Antigen Presentation, Dendritic Cells, and Autoimmunity
5. T cells and their subsets
6. Role of Th1 Th2 Th17 Cells in Autoimmunity
7. Tolerance and Autoimmunity: T Cells
8. Regulatory T Cells
9. B Cells and Autoimmunity
10. Immunological memory T cells
11. Immunological memory B cells
12. Apoptotic Cells as a Source of Autoantigens
13. Effector Mechanisms of Autoimmunity: Antibodies and Immune Complexes
14. Functional Effects of Autoantibodies
15. Cytokine, Chemokines
16. Signaling Pathways in T and B Lymphocytes
17. HLA Genetics and Autoimmunity
18. Non HLA Genetics
19. AIRE related Autoimmunity
20. Immune Deficiencies and Autoimmunity
21. Infections and Autoimmunity
22. Noninfectious Environmental Agents and Autoimmunity
23. Sex, Pregnancy and Autoimmunity
24. Animal Models of Autoimmune Disease

Section 2: Multisystem Diseases

25. Systemic Lupus Erythematosus
26. Systemic Sclerosis, Scleroderma
27. Antiphospholipid Syndrom
28. Sjogren Syndrome
29. Rheumatoid Arthritis
30. Spondyloarthritis and Chronic Idiopathic Arthropathies
31. Myositis
32. Thyroid Disease
33. Type 1 Diabetes
34. Adrenalitis
35. Polyendocrine Syndromes
36. Gastritis and Pernicious Anemia
37. Hypophysitis
38. Hemolytic Anemia
39. Thrombocytopenic Purpura
40. Neutropenia
41. Aplastic Anemia
42. Clotting Disorders
43. Multiple Sclerosis
44. Peripheral Neuropathy
45. Myasthenia Gravis
46. Ocular Disease
47. Inner Ear Disease
48. Celiac Disease
49. Inflammatory Bowel Diseases: Ulcerative Colitis and Crohn's Disease
50. Chronic Hepatitis
51. Primary Billiary Cirrhosis
52. Primary Sclerosing Cholangitis
53. Pancreatitis
54. Bullous Skin Diseases: Pemphigus and Pemphigoid
55. Non-Bullous Skin Diseases: Alopecia, Vitiligo, Psoriasis and Urticaria
56. Kidney Disease: Goodpasture's Disease, Lupus Nephritis, ANCA-Associated Glomerulonephritis

57. Orchitis and Male Infertility
58. Oophoritis
59. Rheumatic Heart Disease
60. Myocarditis and Dilated Cardiomyopathy
61. Necrotizing Arteritis and Small Vessel Vasculitis
62. Large and Medium Vessel Vasculitides
63. Autoimmune Disorders of the Lung
64. Paraneoplastic Diseases
65. Antibody-Associated Neurological Diseases
66. Autoinflammatory and other Related Diseases
67. Autoinflammatory diseases and autoimmune responses to tumors
68. COVID

Section 3: Diagnosis, Prevention, and Therapy

69. Autoantibody Assays, Testing, and Standardization
70. Prediction of Autoimmune Disease
71. Emerging Therapies for Autoimmune Diseases
72. Postlude