Developmental Biology Of Peripheral Lymphoid Organs

DOWNLOAD HERE

1;Preface;6 2;Contents;8 3;Contributors;10 4;Chapter 1: Introduction: Evolution of Peripheral Lymphoid Organs;12 4.1;1.1 Lymphoid Organ Formation and Restoration of Tissue Integrity: A Single Event or Repeating Incidents?;13 4.2;1.2 Sharing Common Purposes and Following Different Ways;13 5;Part I: Common Themes in Lymphoid Organ Development;15 5.1; Chapter 2: Cellular Partners in the Embryonic Induction of Lymphoid Territories: Origins and Transcriptional Regulation;16 5.1.1;2.1 Discovery and General Characteristics of the Adam-Eve Pair of Lymphoid Organogenesis;16 5.1.2;2.2 Transcriptional Regulation of LTi Cells;18 5.1.3;2.3 LTo Cells: From the Unknown to the Uncertain;20 5.1.4; References; 21 5.2; Chapter 3: Lymphotoxin/Tumour Necrosis Factor Family Members as Morphogenic Factors;23 5.2.1;3.1 Introduction: TNF and LT - from Inflammation and Cancer to Central Stage of Lymphoid Organogenesis;23 5.2.2;3.2 Non-overlapping Effects of TNF and LT Recognition in Secondary Lymphoid Organ Development;24 5.2.3;3.3 Role of TRANCE in Lymphoid Organogenesis;27 5.2.4;3.4 Signalling Mechanisms of the Immediate TNF Family Members: A Net of TRAFs and Others;27 5.2.5; References; 29 5.3; Chapter 4:NF-kB Signalling and Lymphoid Tissue Organogenesis; 33 5.3.1; 4.1 Introduction;33 5.3.2;4.2 Activation of the NF-kappaB Transcription Factors;34 5.3.3;4.3 LTbetaR Signalling and Activation of the NF-kB Pathways in Lymphoid Organ Development and Maintenance;37 5.3.3.1;4.3.1 Relb-Deficient Mice;38 5.3.3.2;4.3.2 Nfkb2-Deficient Mice and p100Delta Knock-In Mice;38 5.3.3.3;4.3.3 Nik-Deficient Mice, aly/aly Mice and IKKaaa Knock-In Mice;38 5.3.3.4;4.3.4 Rela-Deficient Mice;39 5.3.3.5;4.3.5 Nfkb1-Deficient Mice;39 5.3.3.6;4.3.6 Nfkb1/Nfkb2-Double Deficient Mice;39 5.3.4;4.4 TNFa-Induced Activation of NF-kappaB During SLO Development;40 5.3.5;4.5 RANK and Activation of NF-kappaB in Lymphoid Organ Development; 40 5.3.6; 4.6 NF-kappaB Function During Development and Maturation of Inducible Lymphoid Organs;41 5.3.7;4.7 Conclusion and Remaining Questions;41 5.3.8; References;42 5.4; Chapter 5: Homeostatic Chemokines, Cytokines and Their Receptors in Peripheral Lymphoid Organ Development; 47 5.4.1; 5.1 IL-7 and Its Receptor: From Lymphocyte Differentiation to Lymphoid Organogenesis;47 5.4.2;5.2 Role of IL-7R Signalling in Lymphoid Organogenesis;48 5.4.3;5.3 Homeostatic Chemokines and Receptors: Relay of LTi Cells and Mature

Lymphocytes in Establishing and Maintaining Compartmentalized Lymphoid Tissue Architecture;49 5.4.4; References; 51 6; Part II: Development of Lymph Nodes in Humans and Rodents; 54 6.1; Chapter 6: Developmental Relationship and Convergence Between the Formation of Lymphoid Organs and Lymphatic Vasculature;55 6.1.1;6.1 Introduction;55 6.1.2;6.2 Phylogeny of Lymphatic Vessels;57 6.1.3;6.3 Structure of Lymphatic Vessels in Mammals;57 6.1.4;6.4 Development of Lymphatic Vessels: Programmed or Induced;58 6.1.5;6.5 Embryonic Development: Establishment of LEC Identity;58 6.1.6;6.6 Inflammatory Macrophages: Assist or Impersonate;61 6.1.7; References;62 6.2; Chapter 7: Development and Structure of Lymph Nodes in Humans and Mice;65 6.2.1;7.1 Secondary Lymphoid Organs;65 6.2.2;7.2 Hematopoietic Cells in Lymph Node Development;67 6.2.3;7.3 Stromal Cells in Lymph Node Development; 69 6.2.4; 7.4 Cellular Architecture in the Lymph Node; 70 6.2.5; 7.5 Vasculature of the Lymph Nodes;72 6.2.6; References;76 6.3; Chapter 8: Development of Lymph Node Circulation and Homing Mechanisms;81 6.3.1;8.1 Overview of Blood Vasculature in Lymphoid Tissues;81 6.3.2;8.2 Vasculature Organization and Development in Lymphoid Tissues;82 6.3.3;8.3 Modification and Plasticity of Vascular Networks in LNs During Development;86 6.3.4;8.4 The HEV Phenotype;86 6.3.5;8.5 Tissue-Specific Homing: Peripheral and Mucosal Addressins;88 6.3.6;8.6 Lymphocyte Subset Homing Mechanisms;89 6.3.7;8.7 How Do Lymphocytes Transmigrate and Exit HEV?;89 6.3.8;8.8 HEV-Sp EAN/ISBN: 9783642144295 Publisher(s): Springer, Berlin Format: ePub/PDF Author(s): Balogh, Peter

DOWNLOAD HERE

Similar manuals: