

Cancer Immunology And Immunotherapy

[DOWNLOAD HERE](#)

1;Preface;6 1.1;References;7 2;Contents;8 3;Contributors;10 4;Immune Infiltration in Human Cancer: Prognostic Significance and Disease Control;16 4.1;1 Introduction;17 4.2;2 In Situ Immune Contexture, the Strongest Prognostic Factor for Recurrence and Overall Survival: The Case of Colorectal Cancer;19 4.3;3 Induction of Functionally Active Tertiary Lymphoid Structures in the Vicinity of Tumoral Beds as Potential Sites of In Situ Immune Reactions: The Example of Lung Carcinoma;23 4.4;4 Subversion of Innate Immunity Receptors: Stimulation of Toll Like Receptors on Lung Carcinoma Cells Modulates Cell Survival and Response to Chemotherapy;26 4.5;5 Paradoxical Control of Inflammation Influences Clinical Outcome in Head and Neck Cancer;28 4.6;6 The Immune Reaction in a Tumor Developing in an Immuno-Privileged Site: The Case of Primary Intraocular Lymphoma;31 4.7;7 Conclusions;33 4.8;References;34 5;Subversion and Coercion: The Art of Redirecting Tumor Immune Surveillance;40 5.1;1 Introduction;41 5.2;2 The Inflammatory Trio: TNF- α , TGF- β , IL-6;43 5.3;3 The Local Trigger: IL-23 and IL-12 Balance in the Tumor Microenvironment;45 5.4;4 Feeding the Inflammatory Niche: Adaptive T Cell Responses Fostering the Tumor;46 5.5;5 Turning Foes into Friends, CD8⁺ T Cells Lose Their Teeth;47 5.6;6 Inflammatory Control at the Tumor Site;48 5.7;7 Conclusions;50 5.8;References;51 6;STAT3: A Target to Enhance Antitumor Immune Response;55 6.1;1 Introduction;56 6.2;2 Stat3-Mediated Immune Suppression;57 6.2.1;2.1 Inhibition of the Th1 Immune Response;57 6.2.2;2.2 Relevant Immunologic Signaling Pathways;59 6.2.3;2.3 Role in Myeloid Derived Suppressor Cells;60 6.2.4;2.4 Role in Regulatory T-Cells;61 6.3;3 Therapeutic Relevance;62 6.3.1;3.1 Genetic Evidence and Potential Toxicity;63 6.3.2;3.2 JAK Inhibitors;63 6.3.3;3.3 Other Oncogenic Kinase Inhibitors;64 6.3.4;3.4 RTK Inhibitors;65 6.3.5;3.5 siRNA;66 6.4;4 Concluding Remarks;67 6.5;References;67 7;Biology and Clinical Observations of Regulatory T Cells in Cancer Immunology;74 7.1;1 Introduction;76 7.2;2 Treg Lineage and Development;76 7.3;3 Treg Subsets;77 7.3.1;3.1 Cell Surface Markers of Mouse Tregs;77 7.3.2;3.2 Cell Surface Markers of Human Tregs;78 7.3.3;3.3 Toll Like Receptors Expressed by Tregs;79 7.3.4;3.4 Functional Subsets of Tregs;79 7.3.5;3.5 Treg-Derived Malignancies;80 7.4;4 Mechanisms of Treg-Mediated Immune Suppression in Cancer;80 7.4.1;4.1 Immunosuppressive Cytokines and

Factors;81 7.4.2;4.2 Suppression by Direct Cell-Cell Contact;81 7.4.3;4.3 Treg-Mediated Cytotoxicity;82 7.5;5 Clinical Observations of the Association of Tregs with Cancer;82 7.6;6 Modification of Treg Biology as Cancer Immunotherapy;90 7.6.1;6.1 The Cellular Microenvironment;90 7.6.2;6.2 Strategies to Modulate Treg Number and Function;92 7.6.3;6.3 Attenuating Treg Function;93 7.7;7 Conclusions;96 7.8;References;96 8;Concepts and Ways to Amplify the Antitumor Immune Response;109 8.1;1 Introduction;110 8.2;2 Pharmacology of Tumor Cell-Immune Cell Interactions;112 8.3;3 Tumor Cell Development and Its Danger Signals;113 8.3.1;3.1 Neoplastic Cells;114 8.3.2;3.2 Chronic Inflammation;115 8.3.3;3.3 Stroma;117 8.4;4 Expression and Presentation of Tumor Antigens;117 8.5;5 Mouse Models of Cancer;119 8.5.1;5.1 The LCMV Model to Study the Regulation of MHC I Expression;119 8.5.2;5.2 The L12R4 Vaccination Model;121 8.5.3;5.3 The SR/CR Mouse Model;122 8.6;6 Cellular and Molecular Regulation of Tumor Immunity;125 8.7;7 Discussion;129 8.8;References;134 9;Angiogenesis and the Tumor Vasculature as Antitumor Immune Modulators: The Role of Vascular Endothelial Growth Factor and Endothelin;141 9.1;1 Introduction;142 9.2;2 Angiogenesis and Cancer;143 9.3;3 Vascular Endothelial Growth Factor;144 9.4;4 Direct Effects of VEGF on Leukocytes;145 9.4.1;4.1 Dendritic Cell Defects in Cancer Patients and Mouse Models: A Role for VEGF;145 9.4.2;4.2 Effects of VEGF on EAN/ISBN : 9783642141362 Publisher(s): Springer, Berlin Format: ePub/PDF Author(s): Dranoff, Glenn

[DOWNLOAD HERE](#)

Similar manuals: