

Chemokine Biology

[DOWNLOAD HERE](#)

1;Contents;6 2;List of contributors;8 3;Preface;11 4;Chemokines in animal disease models;13
4.1;Chemokines in animal models of inflammation;14 4.1.1;Introduction;14 4.1.2;Experimental acute systemic inflammation (sepsis);15 4.1.3;Experimental granulomatous lung inflammation;19
4.1.4;Experimental asthma;20 4.1.5;Rheumatoid arthritis;22 4.1.6;Conclusion;24 4.1.7;References;24
4.1.8;Introduction;29 4.1.9;Experimental autoimmune encephalomyelitis;29 4.1.10;Experimental autoimmune diabetes;31 4.2;Autoimmune diseases;29 4.2.1;Summary;32 4.2.2;References;33
4.3;Chemokines in allergic responses: eosinophils, basophils, mast cells;37 4.3.1;Introduction;37
4.3.2;Eosinophils, basophils and mast cells play a key role in allergic inflammation through the function of their chemokines and chemokine receptors;38 4.3.3;Eosinophils, basophils and mast cells link innate and adaptive immunity during allergic inflammation: Role of chemokines and chemokine receptors;40
4.3.4;Eosinophils, basophils and mast cells skew the adaptive immune response to new antigens towards Th2 inflammation: Role of chemokines and chemokine receptors;42 4.3.5;Eosinophils basophils and mast cells amplify the allergic response through the function of their chemokines;44 4.3.6;References;47
5;Chemokines as drug targets;52 5.1;Chemokines as drug targets;53 5.1.1;Introduction;53
5.1.2;Pharmaceutical drug development: Small molecule inhibitors;56 5.1.3;Biotechnology drug development: Protein therapeutics;60 5.1.4;Perspectives;62 5.1.5;References;63 5.2;Screening and characterization of cyclic pentapeptide CXCR4 antagonists/inverse agonists using a pheromone responsive reporter gene in *Saccharomyces cerevisiae*: Utility of G protein coupled receptor constitutively active mutants;68 5.2.1;Introduction;68 5.2.2;Materials and methods;70 5.2.3;Results;71
5.2.4;Discussion;79 5.2.5;References;81 5.3;Antagonists of CXCR3: a review of current progress;85
5.3.1;Introduction;85 5.3.2;Small molecule antagonists of CXCR3;88 5.3.3;Neutralizing antibodies;88
5.3.4;Modified ligands;89 5.3.5;Conclusion;90 5.3.6;References;90 5.4;IL-8 receptor antagonist: basic research and clinical utility;95 5.4.1;Introduction;95 5.4.2;Utility of CXCL8 antagonists in basic research;96 5.4.3;Potential role and utility of CXCR2 antagonists in disease;98 5.4.4;Airways inflammation in premature infants;101 5.4.5;References;103 5.5;Current status of CCR1 antagonists in

clinical trials;109 5.5.1;Introduction;109 5.5.2;Evidence for the role of CCR1 in rheumatoid arthritis;110 5.5.3;Evidence for the role of CCR1 in multiple sclerosis;110 5.5.4;Evidence for role of CCR1 in other diseases;111 5.5.5;Small molecule antagonists of CCR1;111 5.5.6;BX471 (ZK-811752);111 5.5.7;CP-481,715;113 5.5.8;Issues and challenges to the development of chemokine receptor antagonists;114 5.5.9;Conclusion;115 5.5.10;References;115 5.6;Small molecule CCR2 antagonists;120 5.6.1;Introduction;120 5.6.2;CCR2 antagonists in development;122 5.6.3;ucb-102405;122 5.6.4;References;127 5.7;Chemokine axes in hematopoietic stem cell mobilization;129 5.7.1;Introduction: Hematopoietic stem cell mobilization;129 5.7.2;The chemokine axis;130 5.7.3;Concluding remarks;139 5.7.4;References;140 5.8;CCR5 antagonists: from discovery to clinical efficacy;149 5.8.1;Introduction;149 5.8.2;CCR5 antagonists prior to human efficacy studies;150 5.8.3;CCR5 antagonists reaching human efficacy studies;155 5.8.4;Conclusion;161 5.8.5;References;161 6;Index;168 EAN/ISBN : 9783764374372 Publisher(s): Springer, Berlin, Birkhäuser Discussed keywords: Immunologie Format: ePub/PDF Author(s): Neote, Kuldeep - Letts, Gordon L. - Moser, Bernhard

[DOWNLOAD HERE](#)

Similar manuals:

[Chemokine Biology - Basic Research And Clinical Application](#)

[Chemokine Biology](#)