

Accepted Manuscript

Title: Chemokine genetic polymorphism in human health and disease

Author: Tabish Qidwai

PII: S0165-2478(16)30100-6

DOI: <http://dx.doi.org/doi:10.1016/j.imlet.2016.05.018>

Reference: IMLET 5881

To appear in: *Immunology Letters*

Received date: 27-1-2016

Revised date: 16-5-2016

Accepted date: 31-5-2016



Please cite this article as: Qidwai Tabish. Chemokine genetic polymorphism in human health and disease. *Immunology Letters* <http://dx.doi.org/10.1016/j.imlet.2016.05.018>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Chemokine genetic polymorphism in human health and disease

Tabish Qidwai

Department of Biotechnology, Babasaheb Bhimrao Ambedkar University Lucknow

India-226025

Correspondence:

Dr. M. Tabish Qidwai

Department of Biotechnology, BB Ambedkar University, Lucknow, India-226025

Email: tabish.iet@gmail.com, Phone- +91-09451025175

Highlights

- Genetic variations in chemokine genes may affect transcriptional regulation.
- Disregulated chemokine expression affects disease outcome and treatment response.
- Studies demonstrated conflicting results in different populations and diseases.
- Chemokines are explored as therapeutic targets in diseases and biomarkers in diagnostics.

Abstract

Chemokine receptor-ligand interaction regulates transmigration of lymphocytes and monocytes from circulation to the inflammatory sites. C-C chemokine receptors, chemokine receptor 2 (CCR2) and 5 (CCR5) are important in recruitment of immune cells as well as non-immune cells under pathological condition. CCR2, CCR5 and their ligands (CCL2 and CCL5) are major contributor to the autoimmune and inflammatory diseases and cancer. Currently studies are being done to explore genetic variations in chemokine genes and its involvement in diseases that could make clear disease severity and deaths. Conflicting results of studies in different populations and diseases promoted to investigate chemokines genetic polymorphisms in miscellaneous diseases. This study is aimed to evaluate the influence of chemokines genetic polymorphisms in

Download English Version:

<https://daneshyari.com/en/article/6116983>

Download Persian Version:

<https://daneshyari.com/article/6116983>

[Daneshyari.com](https://daneshyari.com)