

Research Article

Immune Cells in COVID-19

Guest Editor In Chief

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Introduction

COVID-19 pandemic spread in almost all, all over the globe countries. Millions have been affected and millions died. The situation necessitate international efforts of medical internists epidemiologists, immunologist, and vaccine technologist. Four main preventive vaccine versions were becoming in hand for human mass vaccination within one year after the pandemic spread. So far concerning immunology of the disease. Scientists early in the pandemic starts to assess humoral immunity suitable for sero-diagnosis and sero-therapy of the disease as well as tempting and still tempting to developing the COVID-19 valid preventive vaccines. Currently, cell and lymphocyte immunologists take the forefront position in COVID-19 research. They articulate cellular immunology, flow cytometry, single cell RNA sequencing, mass transcriptomics, proteomics and cell-cell interactions for tracing lymphocyte immunotypes and the allied cell type interactions. As well as their roles in; the pathogenesis, immune-pathogenesis, and disease outcome prediction.

Aiming

The objective of the present special issue "IMMUNE CELLS IN COVID-19" published in IJPC was focusing onto the; ontogeny, biology, molecular biology, immuno-typing of immune cells and their roles in covid-19. In which the latest information were collected, analyzed and formatted as series of opinion papers.

Scope

Lymphoid, lympho-myeloid and myeloid cell lineages for lymphocytes, monocytes and granulocytes as well as their mature

forms are forming the backbone of human and mammalian immune system. The function of the immune system is mainly to recognize and destroy foreign invaders via a tripartite responses as; innate, immune cross-roads and adaptive immune responses. Immune cells the subject of the present special issue were assigned to these three immune system arms.

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(3) TH17 cells and the intercellular functions in severe, critical, deceased and vaccine of COVID-19*

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