

IMMUNE SYSTEM AND COVID-19

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Abstract

Considering that early adaptive immune response might correlate with better clinical outcomes, it is important to emphasize that healthy immune system plays a crucial role in the treatment and probably in the prevention of COVID-19 disease. Factors that can contribute to the better immune system functionality are ingestion of Poly-phenols, physical exercise, natural antivirals, smoking cease, healthy balanced-Diet, protection of oropharyngeal and nasal mucosa with mucosal care and protection products and also a brief introduction of the general features of SARS-CoV-2 and discuss the current knowledge of molecular immune pathogenesis, diagnosis, and treatment of COVID-19 on the base of the present understanding of SARS-CoV and MERS-CoV infections which may be helpful in offering novel insights and potential therapeutic targets for combating the SARS-CoV-2 infection.

immunofluorescence; Blotting techniques; Mammalian cell culture ; Transfection.

Speaker Publications:

1. "Binding of sex peptide to 50nm filaments of male accessory glands of *Drosophila melanogaster*"

[12th International Conference on Clinical Immunology](#); Webinar – October 29, 2020.

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<https://immunology.immunologyconferences.org/>



Biography:

Vidhi Berdia has completed her bachelor's and master's in biotechnology from Raipur (C.G) India and then completed her second master's in advanced study in Infection, Immunity and Human Disease from University of Leeds, United Kingdom.

Research area- Molecular and cellular biology; protein engineering ; Antigen antibody interaction; immunological techniques; Tissue culture; PCR techniques
Skills developed- Bio imaging ; molecular and cellular lab techniques; plant tissue culture; protein engineering; Molecular cloning; immunology lab based techniques; SDS PAGE;