



Library Indian Institute of Science Education and Research Mohali



DSpace@IISERMohali (/jspui/)
/ Publications of IISER Mohali (/jspui/handle/123456789/4)
/ Research Articles (/jspui/handle/123456789/9)

Please use this identifier to cite or link to this item: <http://hdl.handle.net/123456789/3266>

Title:	Perspective: Reducing SARS-CoV2 Infectivity and Its Associated Immunopathology
Authors:	Dubey, A. (/jspui/browse?type=author&value=Dubey%2C+A.) Dahiya, S. (/jspui/browse?type=author&value=Dahiya%2C+S.) Sehrawat, S. (/jspui/browse?type=author&value=Sehrawat%2C+S.)
Keywords:	immunoregulation inflammation sdAb therapy
Issue Date:	2020
Publisher:	Frontiers Media S.A.
Citation:	Frontiers in Immunology, 11
Abstract:	COVID-19 has become difficult to contain in our interconnected world. In this article, we discuss some approaches that could reduce the consequences of COVID-19. We elaborate upon the utility of camelid single-domain antibodies (sdAbs), also referred to as nanobodies, which are naturally poised to neutralize viruses without enhancing its infectivity. Smaller sized sdAbs can be easily selected using microbes or the subcellular organelle display methods and can neutralize SARS-CoV2 infectivity. We also discuss issues related to their production using scalable platforms. The favorable outcome of the infection is evident in patients when the inflammatory response is adequately curtailed. Therefore, we discuss approaches to mitigate hyperinflammatory reactions initiated by SARS-CoV2 but orchestrated by immune mediators. © Copyright © 2020 Dubey, Dahiya, Rouse and Sehrawat.
Description:	Only IISERM authors are available in the record.
URI:	https://pubmed.ncbi.nlm.nih.gov/33193385/ (https://pubmed.ncbi.nlm.nih.gov/33193385/) http://hdl.handle.net/123456789/3266 (http://hdl.handle.net/123456789/3266)
Appears in Collections:	Research Articles (/jspui/handle/123456789/9)

Files in This Item:

File	Description	Size	Format	
Need to add pdf.odt (/jspui/bitstream/123456789/3266/1/Need%20to%20add%20pdf.odt)		8.63 kB	OpenDocument Text	View/Open (/jspui/bitstream/123456789/3266/1/Need%20to%20add%20pdf.odt)

Show full item record (/jspui/handle/123456789/3266?mode=full)

(/jspui/handle/123456789/3266/statistics)

Items in DSpace are protected by copyright, with all rights reserved, unless otherwise indicated.

