



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/123456789/2224>

Title:	PRR Function of Innate Immune Receptors in Recognition of Bacteria or Bacterial Ligands
Authors:	Gulati, Aakanksha (/jspui/browse?type=author&value=Gulati%2C+Aakanksha) Kaur, Dilpreet (/jspui/browse?type=author&value=Kaur%2C+Dilpreet) Krishna Prasad, G.V.R. (/jspui/browse?type=author&value=Krishna+Prasad%2C+G.V.R.) Mukhopadhyaya, Arunika (/jspui/browse?type=author&value=Mukhopadhyaya%2C+Arunika)
Keywords:	Pattern recognition receptor TLR NLR Scavenger receptor Innate immunity
Issue Date:	2018
Publisher:	Springer New York LLC
Citation:	Advances in Experimental Medicine and Biology, 1112, pp. 255-280
Abstract:	Recognition of a bacterial attack is the first and the most important step in clearing the bacteria from the body of the host. Towards this, the host innate immune system employs pattern recognition receptors (PRRs) such as Toll-like receptors (TLRs), nucleotide-binding leucine-rich repeat-containing receptors (NLRs) and scavenger receptors (SRs) present mostly in innate immune cells. These receptors sense the presence of bacteria and help in spreading the signal to the host, which results in recruitment of other immune cells leading to the elimination of the bacteria from the system. Since their discovery, a lot has been established about these receptors. Their role has been elucidated not only in pathogen recognition but also in eradication of the dead cells from the system. This review is focussed mainly on their role in the bacterial recognition and how these receptors play a role in eliciting an immune response against bacteria in the host.
URI:	https://link.springer.com/chapter/10.1007/978-981-13-3065-0_18 (https://link.springer.com/chapter/10.1007/978-981-13-3065-0_18) http://hdl.handle.net/123456789/2224 (http://hdl.handle.net/123456789/2224)
Appears in Collections:	Research Articles (/jspui/handle/123456789/9)

Files in This Item:

File	Description	Size	Format	
Need to add pdf.odt (/jspui/bitstream/123456789/2224/1/Need%20to%20add%20pdf.odt)		8.63 kB	OpenDocument Text	View/Open (/jspui/bitstream/123456789/2224/1/Need%20to%20add%20pdf.odt)

Show full item record (/jspui/handle/123456789/2224?mode=full)

(/jspui/handle/123456789/2224/statistics)

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