

Review

## Inflammatory properties of antibiotic - treated bacteria

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First published: 30 August 2016

<https://doi.org/10.1189/jlb.4MR0316-153RR>

Cited by:1

### Abstract

Antibiotics have proven to be enormously effective tools in combating infectious diseases. A common roadblock to the effective use of antibiotics is the development of antibiotic resistance. We have recently observed that the very mechanism by which methicillin - resistant *Staphylococcus aureus* (MRSA) becomes antibiotic resistant causes the organism to be more inflammatory to innate immune cells. In this review, we offer some thoughts on the ways in which antibiotics have been observed to influence immune responses to bacteria.

### Citing Literature

