



The Innate Immune Defense of Animals Living in Pathogenic Environments

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Message from the Guest Editor

Dear Colleagues,

This special issue is dedicated to the molecules involved in the innate immune defenses of animals living in pathogenic environments. Studies on host defense in wild animals living in their naturally pathogenic environments can significantly improve our understanding of innate immune mechanisms. This study could offer unexplored opportunities to identify molecules with a potential to reduce both the need for antibiotics and the emergence of multidrug-resistant microorganisms.

Topics:

- Defensins and host defense peptides
- Pathogen associated immunostimulants
- Sensors and pattern recognition molecules
- Soluble mediators
- Germ line-encoded receptors
- Complement components
- Cell-surface pattern recognition receptors
- Inflammatory chemokines, interferons and other secreted factors
- Innate cells and molecular pathways
- Acute-phase proteins, proteases, and other less-categorized molecules





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Message from the Editor-in-Chief

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