Special Issue

Pathogenesis and Pathophysiology of *Coxiella burnetii* Infection

Message from the Guest Editors

Coxiella burnetii is the causative agent of Q fever, a zoonosis with significant outbreaks worldwide. Given its very low infectious dose, mode of contamination, ease of dissemination and environmental resistance, *C. burnetii* has been classified as a category B critical biologic agent by the Centre for Disease Control and Prevention, and the disease is included in the World Organisation for Animal Health list of notifiable diseases. In Humans, the primary infection which may be symptomatic resolves spontaneously in most of the cases. Efficient host defense relies on cell-mediated immunity, with a critical role for Th1 response and interferon-gamma. Progression to persistent infection reflects failure of the Th1 response and results from a combination of intrinsic and extrinsic parameters, in which interleukin-10 plays a significant role. In this special issue, we would like to invite all submissions (research, short communications, and review manuscripts) related to the pathogenesis of *C. burnetii* including clinical, epidemiological, immunological but also microbiological and cellular aspects of *C. burnetii* infections.

Guest Editors

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Deadline for manuscript submissions

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"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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