



Tick-Borne Diseases and Their Control

Guest Editor:

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Message from the Guest Editor

The study concerned the exploration of diagnostic therapeutic and prognostic markers of infection-induced pathology spirochetes *Borrelia burgdorferi* s.s., *B. afzelii* and *B. garinii* at different stages of the disease. The degree of differentiation in these individuals and the gene expression profiling of mRNA post-transcriptional modifications associated with the function of MHC known as HLA (human leukocyte antigens), genes associated with inflammation and genes encoding extracellular matrix proteins were analyzed. Transcriptomes were determined with the oligonucleotide microarray technique (Affymetrix) using HGU 133A plates, allowing for the simultaneous analysis of 22283 mRNAs. The results of immunological and clinical studies of people infected with ticks and patients with borreliosis were analyzed. This study should be combined with the act of increasing the knowledge surrounding the role of ticks in the transmission of diseases.





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Message from the Editor-in-Chief

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