Special Issue

Expression and Function of Endogenous Retroviruses

Message from the Guest Editor

Endogenous retroviruses (ERV) and related elements, e.g., isolated ("solo") long terminal repeats (LTR), are present in high numbers in eukaryotic genomes. Modern transcriptome and proteome analysis techniques allow the detection of ERV expression at the RNA or protein levels. Some of these ERV contain open reading frames that allow the translation of proteins. On the other hand, non-coding sequences and solo LTRs have been shown to influence the expression of neighbouring genes. The impact of ERV-related RNAs and proteins on physiological and disease-associated processes is a current area of research. We invite authors who are experts in this field to contribute original articles or review articles that are not yet published and/or that are not currently under review by other journals.

Guest Editor

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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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