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Microbial Extracellular Vesicles

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Deadline for manuscript submissions:
closed (1 November 2021)

Message from the Guest Editors

It has only been 20 years since microbiologists realized the significance of microbal extracellular vesicles (EVs). This phenomenon has been observed under laboratory growth conditions and environmental conditions. Recent reseraches suggest connected process between EVs production and nanotubes formation and discover the heterogeneity of microbial EVs, with some species producing EVs harbouring proteins, signal molecules and nucleic acids. The nature of the DNA transported by EVs is not restricted to mobile genetic elements, but sometimes corresponds to cellular genomic DNA, enabling horizontal transfers between species. However, the potential transfer of RNA or DNA has not always been tested experimentally and very little is known about the genetic determinants regulating the biogenesis and release of EVs.

This Special Issue “Microbial Extracellular Vesicles” will address any original articles leading to a better comprehension of how EVs are released from cells, how the production of EVs is regulated, and which EVs are involved in genetic exchanges and/or trigger gene regulation in the target cell. General reviews dedicated to microbial EVs will also be welcome.

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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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