



## Microparticles-based Vaccines

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Deadline for manuscript  
submissions:

**closed (31 July 2018)**

### Message from the Guest Editor

Dear Colleagues,

This special edition will highlight the triumphs and tribulations of microparticulate vaccine delivery. Particulate vaccines offer several advantages over the traditional vaccines, such as superior vaccine stability, the avoidance of cold-chain requirements, and the ease of manufacture. Further, the overall enhanced immune response due to a combination of factors, such as slow release of antigen from the particles and superior uptake into antigen presenting cells of the immune system, makes particulate vaccines the preferred choice of vaccine delivery. The availability of safe bio-degradable and bio-compatible polymers enhances its suitability for human use. Novel delivery of microparticulate vaccines such as transdermal delivery using microneedles and laser ablation, nasal delivery, buccal delivery, and oral delivery of vaccines, amongst others, will also be discussed. Several examples of successful delivery of particulate vaccines in the areas of cancer and infectious diseases, to name a few will be extensively covered.

Prof. Dr. Martin J. D'Souza  
*Guest Editor*





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## Message from the Editor-in-Chief

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