

Special Issue

AdV and AAV Mediated Gene Delivery

Message from the Guest Editors

Gene delivery is a process by which foreign nucleic acid is introduced into a host cell. Gene delivery can be accomplished using mechanical or biological means. Apart from the delivery of DNA vaccines using electroporation and biolistics, the primary means of gene delivery in vivo is via the use of biological methods. Viral vector-mediated gene delivery was the primary mode of gene delivery until the success of lipid nanoparticle-mediated delivery of mRNA coding for SARS-Cov2 spike protein for vaccines against COVID-19. Viral vectors are a powerful tool for gene delivery due to their intrinsic ability to enter cells and replicate their genetic material. Adeno and adeno-associated viral vectors are two of the main types of viral vectors used in gene delivery to date. This Special Issue focuses the current status of and new developments in the use of adenoviral and adeno-associated viral vectors in gene delivery. As such, we welcome authors to submit original research articles or review articles outlining pre-clinical and clinical development of these vectors for delivery of genetic material for the prevention or treatment of disease.

Guest Editors

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Editor-in-Chief

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