

Special Issue

Adeno-Associated Virus Vectors for Gene Therapy

Message from the Guest Editor

AAV vectors are considered a valuable clinical tool resulting in the increased number of human gene therapy clinical trials at an unprecedented rate. This Special Issue will highlight recent advances in novel Adeno (associated) viral vectors; a better understanding of the interaction of the virus capsid with the components of the immune system guides the development of next-generation vectors. This Special Issue of *Biomedicine* will be dedicated to the following themes: current advancement in AAV viral vectors development in manufacturing, capsid engineering, immune evasion, and usage of AAV vectors in genome editing. This Special Issue will publish reviews and original research containing experimental data on AAV gene therapy. The Special Issue also includes manuscripts on technological advances of AAV gene therapy. Authors are encouraged to provide their assessment and vision for the future development of AAV vectors.

- AAV Vectors
- clinical trials
- immune response
- capsid engineering

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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