



Adeno-Associated Virus (AAV) for Gene Therapy

Guest Editor:

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Message from the Guest Editor

Adeno-associated virus (AAV) based vector have arguably emerged as the leading gene therapy modality. Below is a (non-inclusive) list of areas that are of special interest for the current special guest issue of *Viruses*.

Deadline for manuscript
submissions:
closed (30 September 2024)

- Approaches to reduce the vector dose without negatively influencing transduction efficiencies (e.g., the development of viruses with a more favorable transduction profile, more efficient routes of administration, understanding the basic biology of AAVs – particular in vivo models etc.);
- Developing methods to determine the *human* tropism of AAV serotypes/variants;
- Identifying the best model(s) to study AAV tropism, based on knowledge gained by the ability to determine the *human* tropism;
- Reduction of an innate immune response upon vector administration;
- Reduction of an adaptive immune response due to treatment with AAV vectors;
- Approaches to mitigate the deleterious effect of pre-existing immunity against the AAV serotype/variant used;
- The development of methods that allow vector re-administration;
- AAV vector manufacturing platforms;
- AAV vector quality control.





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Message from the Editor-in-Chief

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