

Publication

Adeno-associated virus type 5-mediated intraarticular administration of tumor necrosis factor small interfering RNA improves collagen-induced arthritis

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Author(s) Khoury, Maroun; Courties, Gabriel; Fabre, Sylvie; Bouffi, Carine; Seemayer, Christian A; Vervoordeltonk, Margriet J; Tak, Paul P; Jorgensen, Christian; Apparailly, Florence

Author(s) at UniBasel [Seemayer, Christian A.](#) ;

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RNA interference (RNAi) is a powerful tool for sequence-specific gene silencing, and interest in its application in human diseases is growing. Given the success of recent strategies for administering gene therapy in rheumatoid arthritis using recombinant vectors such as adeno-associated virus type 5 (rAAV5) for optimized intraarticular gene transfer, we undertook the present study to determine the feasibility of using rAAV5-mediated RNAi-based therapy in arthritis.

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