



Remote Control of Light-Triggered Virotherapy

PI : Prof. PAN-CHYR YANG

Internal Medicine , National Taiwan U.

Experience:

<http://www.ntu.edu.tw/oldchinese/administration/document/Yang.pdf>

Market Needs:

NONE

Our Technology:

Clinical virotherapy has been successfully approved for use in cancer treatment by US Food and Drug Administration (FDA). However, accurate and specific delivery of genetic material with an appropriate dosage has been a major challenge. For systemically administered viruses, the liver is often the default destination, and represents a barrier when other organs are the intended targets. Here we show that recombinant AAV serotype 2 (AAV2) chemically conjugated with iron oxides nanoparticles have remarkable ability to be remotely guided under magnetic field and infected cells for tumor treatment with low viral dosage

Strength:

NONE

Competing Products:

NONE

Intellectual Properties:

NONE

Contact (do not need to fill out):

Center for Industry-Academia Cooperation, NTU

Tel: 02-3366-9945, E-mail: ntuciac@ntu.edu.tw