Tulane University
Technology Transfer and Intellectual Property Development

Highly Efficient Method of Gene Transfer

Tulane University is actively seeking companies interested in commercializing a set of modified retrotransposable genetic elements. The modified genetic elements demonstrate higher gene expression, and are suitable for the transfer of customized nucleotide sequences into a genome.

Applications

The retrotransposable genetic elements provides for a more efficient method of gene transfer, with high levels of expression and efficient integration into the target genome. This may be useful for the development of transgenic animal disease models and gene therapies.

Advantages

The genetic elements and modifications methods represent a more efficient method of gene transfer, and achieve higher expression than conventional methods such as viral vectors. Highly expressed retrotransposable genetic elements may also be used to develop better models for diseases associated with retrotransposon insertion, including muscular dystrophy and colon cancer.

Technology

This technology has been tested extensively with promising lab results *in vitro*. Laboratory work is ongoing and *in-vivo* experiments are planned.

Inventors

Prescott Deininger, PhD, Victoria P. Belancio, PhD

For more information, please contact:

John Christie
Executive Director
504-988-6962
jchrist@tulane.edu