

to improve current transgenic technologies as well as methods of gene therapy.

ADVANTAGES

- ▶ Various types of vectors – introduce transposons to targeted areas in different organisms
- ▶ Successful creation of transgenic animals – genetic transformations in vertebrate and invertebrate cells

APPLICATIONS

- ▶ Research tool for transgenic technology – produce therapeutic proteins or disrupt gene function, e.g. transform mosquito genes to minimize spread of arboviral disease
- ▶ Gene therapy – alter genes to treat or prevent genetic problems

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