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- [Articles & Issues](#)
[Articles In press](#) [Current Issue](#) [Archive](#)
- [Guidelines](#)
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- [Citations](#)
- [Open Access Policy](#)
- [Contact](#)

Annals of Biological Research

Abstract

[Molecular scissors: New tools in biotechnology and genome](#)

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The development of genetic tools has been and will continue to be a driving force in biological discovery. In particular, development of molecular scissors has opened a new gate in the field of biotechnology. Molecular scissors are able to break specifically double stranded DNA domains and repress the expression of target genes. Various molecular scissors are available, including scissors derived from restriction enzymes, chiral molecular scissors, ZFNs and artificial recompenses. These molecular tools are potentially able to be utilized for the treatment of diseases, including cancer and AIDS. In this short article, different aspects of molecular scissors technology will be presented.

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