

GALENUS publication list

Self-assembled peptide–poloxamine nanoparticles enable in vitro and in vivo genome restoration for cystic fibrosis

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Shan Guan, Antje Munder, Silke Hedtfeld, Peter Braubach, Silke Glage, Longgui Zhang, Stefan Lienenklaus, Anja Schultze, Günther Hasenpusch, Wiebke Garrels, Frauke Stanke, Csaba Miskey, Sarah M. Johler, Yadhu Kumar, Burkhard Tümmler, Carsten Rudolph, Zoltan Ivics & Joseph Rosenecker

Targeted Integration of a Super-Exon into the CFTR Locus Leads to Functional Correction of a Cystic Fibrosis Cell Line Model

PLoS ONE 11(8), 2016 Aug 15

Christien Bednarski, Katja Tomczak, Beate vom Hövel, Wolf-Michael Weber, Toni Cathomen

Generation of mouse induced pluripotent stem cells from different genetic backgrounds using Sleeping beauty transposon mediated gene transfer.

Muenthaisong S, Ujhelly O, Polgar Z, Varga E, Ivics Z, Pirity MK, Dinnyes A.

Exp Cell Res. 2012 Nov 15;318(19):2482-9. doi: 10.1016/j.yexcr.2012.07.014. Epub 2012 Jul 28. PubMed PMID: 22846649.

Derivation and Characterization of Sleeping Beauty Transposon-Mediated Porcine Induced Pluripotent Stem Cells

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Gondzik V, Weber WM, Awaysda MS. Am J Physiol Cell Physiol.

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Hozumi A, Mita K, Miskey C, Mates L, Izsvak Z, Ivics Z, Satake H, Sasakura Y.

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Rahman SH, Bobis-Wozowicz S, Chatterjee D, Gellhaus K, Pars K, Heilbronn R,

Jacobs R, Cathomen T. Hum Gene Ther. 2012 Oct 16. [Epub ahead of print] PubMed PMID: 23072634.

Retargeting Sleeping Beauty Transposon Insertions by Engineered Zinc Finger DNA-binding Domains.

Voigt K, Gogol-Döring A, Miskey C, Chen W, Cathomen T, Izsvák Z, Ivics Z.

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Mussolino C, Cathomen T. *Curr Opin Biotechnol.* 2012 Oct;23(5):644-50. doi: 10.1016/j.copbio.2012.01.013. Epub 2012 Feb 17. PubMed PMID: 22342754.

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MicroRNA-221 overexpression accelerates hepatocyte proliferation during liver regeneration

Yuan Q, Loya K, Rani B, Möbus S, Balakrishnan A, Lamle J, Cathomen T, Vogel A, Manns MP, Ott M, Cantz T, Sharma AD. *Hepatology.* 2012 Jul 23. doi: 10.1002/hep.25984. [Epub ahead of print] PubMed PMID: 22821679.

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Dreyer AK, Cathomen T. *Methods Mol Biol.* 2012;813:145-56. PubMed PMID: 22083740.

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Osiak A, Radecke F, Guhl E, Radecke S, Dannemann N, Lütge F, Glage S, Rudolph C, Cantz T, Schwarz K, Heilbronn R, Cathomen T. *PLoS One.* 2011;6(12):e28911. Epub 2011 Dec 14. PubMed PMID: 22194948; PubMed Central PMCID: PMC3237556.

On target? Tracing zinc-finger-nuclease specificity.

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