

Review Article**Site-specific recombinases: molecular machines for the Genetic Revolution**

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673–684

Accelerated Publication

Lactate induces FGF21 expression in adipocytes through a p38-MAPK pathway

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Y. Jeanson, F. Ribas, A. Galinier, E. Arnaud, M. Ducos, M. André, V. Chenouard, F. Villarroja, L. Casteilla and A. Carrière

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Research PapersCydDC-mediated reductant export in *Escherichia coli* controls the transcriptional wiring of energy metabolism and combats nitrosative stress

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L.V. Holyoake, S. Hunt, G. Sanguinetti, G.M. Cook, M.J. Howard, M.L. Rowe, R.K. Poole and M. Shepherd

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Enhanced OXPHOS, glutaminolysis and β -oxidation constitute the metastatic phenotype of melanoma cells

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M.F. Rodrigues, E. Obre, F.H.M. de Melo, G.C. Santos, Jr, A. Galina, M.G. Jasiulionis, R. Rossignol, F.D. Rumjanek and N.D. Amoêdo

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Insights into ascorbate regeneration in plants: investigating the redox and structural properties of dehydroascorbate reductases from *Populus trichocarpa*

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The hinge domain of the epigenetic repressor Smchd1 adopts an unconventional homodimeric configuration

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Loss of neutral ceramidase protects cells from nutrient- and energy -deprivation-induced cell death

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Epithelial–mesenchymal transition, IP₃ receptors and ER–PM junctions: translocation of Ca²⁺ signalling complexes and regulation of migration

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An essential role for functional lysosomes in ferroptosis of cancer cells

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A negative allosteric modulator modulates GABA_B-receptor signalling through GB2 subunits

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J. Zeman and L. Stiburek

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Commentary

Enhanced translation initiation factor 4G levels correlate with production levels of monoclonal antibodies in recombinant CHO cell lines

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