

## FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS

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**Contents**

*Cited in BIOSIS; Chemical Abstracts; Current Contents/Life Sciences; EMBASE; EMBOlogy; MEDLINE®; PASCAL M; Reference Update; Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®*

*Research papers*

Analysis of a set of missense, frameshift, and in-frame deletion variants of *BRCA1*

M. Carvalho, M.A. Pino, R. Karchin, J. Beddor, M. Godinho-Netto, R.D. Mesquita, R.S. Rodarte, D.C. Vaz, V.A. Monteiro, S. Manoukian, M. Colombo, C.B. Ripamonti, R. Rosenquist, G. Suthers, A. Borg, P. Radice, S.A. Grist, A.N.A. Monteiro and B. Billack (USA, Brazil, Italy, Sweden, Australia)

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Colon tumor mutations and epigenetic changes associated with genetic polymorphism: Insight into disease pathways

M.L. Slattery, R.K. Wolff, K. Curtin, F. Fitzpatrick, J. Herrick, J.D. Potter, B.J. Caan and W.S. Samowitz (USA)

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Rag-dependent and Rag-independent mechanisms of *Notch1* rearrangement in thymic lymphomas of *Atm*<sup>-/-</sup> and scid mice

H. Tsuji, H. Ishii-Ohba, Y. Noda, E. Kubo, T. Furuse and K. Tatsumi (Japan)

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Time course evaluation of *N*-nitrosodialkylamines-induced DNA alkylation and oxidation in liver of mosquito fish

M.-R. Chao, Y.-Z. Chang, R.-H. Wong and C.-W. Hu (Taiwan)

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Bypass of hexavalent chromium-induced growth arrest by a protein tyrosine phosphatase inhibitor: Enhanced survival and mutagenesis

D. Bae, T.C. Camilli, G. Chun, M. Lal, K. Wright, T.J. O'Brien, S.R. Patierno and S. Ceryak (USA)

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Frequent mutations of *lysophosphatidic acid receptor-1* gene in rat liver tumors

Y. Obo, T. Yamada, M. Furukawa, M. Hotta, K. Honoki, N. Fukushima and T. Tsujiuchi (Japan)

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Ascorbic acid 6-palmitate suppresses gap-junctional intercellular communication through phosphorylation of connexin 43 via activation of the MEK-ERK pathway

K.M. Lee, J.Y. Kwon, K.W. Lee and H.J. Lee (Republic of Korea)

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A role for *Mus81* in the repair of chromium-induced DNA damage

L. Tamblyn, E. Li, H. Sarras, P. Srikanth, M.P. Hande and J.P. McPherson (Canada, Singapore)

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Impaired NHEJ function in multiple myeloma

C. Yang, C. Betti, S. Singh, A. Toor and A. Vaughan (USA)

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*Short communications*

*YNK1*, the yeast homolog of human metastasis suppressor NM23, is required for repair of UV radiation- and etoposide-induced DNA damage

M. Yang, S.G. Jarrett, R. Craven and D.M. Kaetzel (USA)

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Titanium dioxide induced cell damage: A proposed role of the carboxyl radical

N.J.F. Dodd and A.N. Jha (UK)

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