

International Association of Environmental Mutagen Societies—Environmental Mutagen Society—The European Environmental Mutagen Society—The Environmental Mutagen Society of Japan—Environmental Mutagen Society of India—Latin-American Association of Environmental Mutagen, Carcinogen and Teratogen Societies—Australian and New Zealand Environmental Mutagen Society—Mammalian Mutagenicity Study Group

## CONTENTS

Cited in *Biological Abstracts*; *Chemical Abstracts*; Elsevier BIOBASE/Current Awareness in Biological Sciences; *Current Contents/Life Sciences*; EMBASE; *Index Medicus*; NIH's PubMed; Pascal M; *Reference Update*; *Toxline*; *EMbiology*. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.

## Mini-reviews

- Clinical genetics of functionally mild non-coding GTP cyclohydrolase 1 (*GCH1*) polymorphisms modulating pain and cardiovascular risk  
A. Doehring, C. Antoniadis, K.M. Channon, I. Tegeder and J. Lötsch (Germany, UK) 195
- The carcinoGENOMICS project: Critical selection of model compounds for the development of omics-based *in vitro* carcinogenicity screening assays  
M. Vinken, T. Doktorova, H. Ellinger-Ziegelbauer, H.-J. Ahr, E. Lock, P. Carmichael, E. Roggen, J. van Delft, J. Kleinjans, J. Castell, R. Bort, T. Donato, M. Ryan, R. Corvi, H. Keun, T. Ebbels, T. Athersuch, S.-A. Sansone, P. Rocca-Serra, R. Stierum, P. Jennings, W. Pfaller, H. Gmuender, P. Vanhaecke and V. Rogiers (Belgium, Germany, UK, Denmark, The Netherlands, Spain, Ireland, Italy, Austria, Switzerland) 202

## Reviews

- Low-dose ionizing radiation and chromosome translocations: A review of the major considerations for human biological dosimetry  
J.D. Tucker (USA) 211
- Multiple roles of nicotine on cell proliferation and inhibition of apoptosis: Implications on lung carcinogenesis  
A. Catassi, D. Servent, L. Paleari, A. Cesario and P. Russo (Italy, France) 221
- Many different tumor types have polyclonal tumor origin: Evidence and implications  
B.L. Parsons (USA) 232
- Structure alerts for carcinogenicity, and the *Salmonella* assay system: A novel insight through the chemical relational databases technology  
R. Benigni and C. Bossa (Italy) 248
- The importance of making ends meet: Mutations in genes and altered expression of proteins of the MRN complex and cancer  
A. Dzikiewicz-Krawczyk (Poland) 262
- Micronuclei frequency in peripheral blood lymphocytes of cancer patients: A meta-analysis  
G. Iarmarcovai, M. Ceppi, A. Botta, T. Orsière and S. Bonassi (France, Italy) 274
- The mTOR pathway and its role in human genetic diseases  
M. Rosner, M. Hanneder, N. Siegel, A. Valli, C. Fuchs and M. Hengstschläger (Austria) 284
- Toxicogenomics of arsenic: Classical ideas and recent advances  
P. Ghosh, M. Banerjee, A.K. Giri and K. Ray (India) 293

Available online at

 ScienceDirect

www.sciencedirect.com



1383-5742 (200809/10) 659:3;1-C