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- 1091** Protective role of heme oxygenase-1 induction in carbon tetrachloride-induced hepatotoxicity

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- 1107** Decreased activity of basolateral organic ion transports in hyperuricemic rat kidney: roles of organic ion transporters, rOAT1, rOAT3 and rOCT2

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- 1115** Expression of vanilloid receptors in rat gastric epithelial cells: role in cellular protection

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- 1139** Rutinoside at C7 attenuates the apoptosis-inducing activity of flavonoids

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- 1163** Altered expression of regulators of G-protein signaling (RGS) mRNAs in the striatum of rats undergoing dopamine depletion

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- 1189** Decoy oligodeoxynucleotides targeting NF-kappaB transcription factors: induction of apoptosis in human primary osteoclasts

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- 1207** Tumor acidity, ion trapping and chemotherapeutics. I. Acid pH affects the distribution of chemotherapeutic agents *in vitro*

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- 1219** Tumor acidity, ion trapping and chemotherapeutics. II. pH-dependent partition coefficients predict importance of ion trapping on pharmacokinetics of weakly basic chemotherapeutic agents
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- 1245** Immunoblot analysis and immunohistochemical characterization of CYP2A expression in human olfactory mucosa
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- 1287** Quercetin protects the hydrogen peroxide-induced apoptosis *via* inhibition of mitochondrial dysfunction in H9c2 cardiomyoblast cells
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- 1307** The preferential homing of a platelet derived growth factor receptor-recognizing macromolecule to fibroblast-like cells in fibrotic tissue
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- 1537** The histone deacetylase inhibitor suberic bishydroxamate: a potential sensitizer of melanoma to TNF-related apoptosis-inducing ligand (TRAIL) induced apoptosis

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- 1547** DNA damage-triggered apoptosis: critical role of DNA repair, double-strand breaks, cell proliferation and signaling

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- 1571** Apoptosis in male germ cells in response to cyclin A1-deficiency and cell cycle arrest

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- 1589** Targeting apoptosis in acute tubular injury

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- 1595** Mechanisms of apoptosis in developing thymocytes as revealed by adenosine deaminase-deficient fetal thymic organ cultures

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- 1601** Na⁺, K⁺-ATPase: the new face of an old player in pathogenesis and apoptotic/hybrid cell death

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- 1611** Cytoskeletal reorganization during process of apoptosis induced by cytostatic drugs in K-562 and HL-60 leukemia cell lines

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- 1627** Mitochondrial dysfunction, apoptotic cell death, and Alzheimer's disease

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- 1635** The essentiality of Bcl-2, PKC and proteasome-ubiquitin complex activations in the neuroprotective-apoptotic action of the anti-Parkinson drug, rasagiline

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- 1643** The mechanisms of cell death in focal cerebral ischemia highlight neuroprotective perspectives by anti-caspase therapy

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1695 Induction of apoptosis without redox catastrophe by thioredoxin-inhibitory compounds

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1717 Spin trapping of superoxide, alkyl- and lipid-derived radicals with derivatives of the spin trap EPPN

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1727 Molecular mechanism of the enzymatic oxidation investigated for imidazoacridinone antitumor drug, C-1311

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1737 Adenosine stimulation of the proliferation of colorectal carcinoma cell lines. Roles of cell density and adenosine metabolism

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1749 L-Deprenyl as an inhibitor of menadione-induced permeability transition in liver mitochondria

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1769 (–)-Epigallocatechin gallate causes oxidative damage to isolated and cellular DNA

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1779 Bcl-2 overexpression prevents daunorubicin-induced apoptosis through inhibition of XIAP and Akt degradation

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1787 Aggravation of L-DOPA-induced neurotoxicity by tetrahydropapaveroline in PC12 cells

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1797 Induction by staurosporine of hepatocyte growth factor production in human skin fibroblasts independent of protein kinase inhibition

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1809 Chemically modified tetracyclines selectively inhibit IL-6 expression in osteoblasts by decreasing mRNA stability

*Keith Kirkwood, Thomas Martin, Stelios T. Andreadis
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1821 Inhibition of lipopolysaccharide-induced nitric oxide production by flavonoids in RAW264.7 macrophages involves heme oxygenase-1

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1833 Characterisation of C5a receptor agonists from phage display libraries

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1841 Novel chemoattractant peptides for human leukocytes

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- 1853** Fangchinoline inhibits rat aortic vascular smooth muscle cell proliferation and cell cycle progression through inhibition of ERK1/2 activation and *c-fos* expression
Yong-He Zhang, Lian-Hua Fang and Bao-Shan Ku
- 1861** Sphingosine 1-phosphate induces CREB activation in rat cerebral artery via a protein kinase C-mediated inhibition of voltage-gated K^+ channels
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Leonor Sterin-Borda, Betina Orman, Silvia Reina and Enri Borda

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- 1879** Cross-talk between Bcr-Abl tyrosine kinase, protein kinase C and telomerase—a potential reason for resistance to Glivec in chronic myelogenous leukaemia
Rumiana Bakalova, Hideki Ohba, Zhivko Zhelev, Mitsuru Ishikawa, Yasuo Shinohara and Yoshinobu Baba

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- 1885** LAV694, a new antiproliferative agent showing improved skin tolerability vs. clinical standards for the treatment of actinic keratosis
Jesús Medina, Valérie Picarles, Brigitte Greiner, Christian Elsaesser, Maryelle Kolopp, Andreas Mahl, Danielle Roman, Beate Vogel, Peter Nussbaumer, Anthony Winiski, Josef Meingassner and Anne de Brugerolle de Fraissinette
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Katia Varani, Stefania Gessi, Stefania Merighi, Valeria Iannotta, Elena Cattabriga, Cecilia Pancaldi, Ruggero Cadossi and Pier Andrea Borea
- 1907** Relationship between elevated levels of the alpha 1 acid glycoprotein in chronic myelogenous leukemia in blast crisis and pharmacological resistance to imatinib (Gleevec®) *in vitro* and *in vivo*
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- 2021** Targeting oxidative stress-related diseases: organo-chalcogen catalysts as redox sensitizers
Niroshini M. Giles, Gregory I. Giles, Janet E. Holley, Nick J. Gutowski and Claus Jacob
- 2029** Pharmacologic or genetic ablation of maleylacetoacetate isomerase increases levels of toxic tyrosine catabolites in rodents
Chandramohan V. Ammini, Jose Fernandez-Canon, Albert L. Shroads, Rachel Cornett, Jang Cheung, Margaret O. James, George N. Henderson, Markus Grompe and Peter W. Stacpoole
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Xuan Wang, Ke-Sheng Song, Qing-Xiang Guo and Wei-Xi Tian

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- 2049** Expression of heme oxygenase-1 and regulation by cytokines in human osteoarthritic chondrocytes
Patricia Fernández, Maria Isabel Guillén, Francisco Gomar and Maria José Alcaraz

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- 2053** Inhibitory action of ICI-182,780, an estrogen receptor antagonist, on BK_{Ca} channel activity in cultured endothelial cells of human coronary artery
Yen-Chin Liu, Yi-Ching Lo, Chin-Wei Huang and Sheng-Nan Wu

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- 2065** Corrigendum to "The fusion of IGF I with stromal cell-derived factor I or α 1 proteinase inhibitor their mitogenic or chemotactic activities while keeping their ability to inhibit HIV-1-gp120 binding". [Biochem. Pharmacol. 65 (2003) 2055–2063]
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- 2067** Erratum to "Quercetin protects the hydrogen peroxide-induced apoptosis *via* inhibition of mitochondrial dysfunction in H9c2 cardiomyoblast cells". [Biochem. Pharmacol. 66 (2003) 1287–1295]
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- 2069** Effect of hypolipidemic drugs on lipoprotein-associated platelet activating factor acetylhydrolase. Implication for atherosclerosis
Moses Eisaf and Alexandros D. Tselepis

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- 2075** Effects of dietary flavonoids on major signal transduction pathways in human epithelial cells
Jim O'Prey, Judith Brown, Janis Fleming and Paul R. Harrison
- 2089** Phenol sulfotransferase 1A1 activity in human liver: kinetic properties, interindividual variation and re-evaluation of the suitability of 4-nitrophenol as a probe substrate
Catherine A. Tabrett and Michael W.H. Coughtrie
- 2099** Differential agonist-induced regulation of human M₂ and M₃ muscarinic receptors
Matthias B. Stope, Christina Kunkel, Christian Kories, Martina Schmidt and Martin C. Michel
- 2107** Three receptor-activity-modifying proteins define calcitonin gene-related peptide or adrenomedullin selectivity of the mouse calcitonin-like receptor in COS-7 cells
Knut Husmann, Walter Born, Jan A. Fischer and Roman Muff
- 2117** Adenosine binding sites at S-adenosylhomocysteine hydrolase are controlled by the NAD⁺/NADH ratio of the enzyme
Doris Kloor, Angelika Lüdtke, Stanka Stoeva and Hartmut Osswald
- 2125** Mechanism of block by fluoxetine of 5-hydroxytryptamine₃ (5-HT₃)-mediated currents in NCB-20 neuroblastoma cells
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- 2133** Comparing myotoxic effects of squalene synthase inhibitor, T-91485, and 3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) reductase inhibitors in human myocytes

Tomoyuki Nishimoto, Ryuichi Tozawa,
Yuichiro Amano, Takeo Wada,
Yoshimi Imura and Yasuo Sugiyama

- 2141** Influence of helenanolide-type sesquiterpene lactones on gene transcription profiles in Jurkat T cells and human peripheral blood cells: anti-inflammatory and cytotoxic effects

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