

TABLE OF CONTENTS

Volume 3, Number 6 Special Issue, October 2012

NS-398 induces caspase-dependent, mitochondria-mediated intrinsic apoptosis of hepatoma cells	
I. H. Song, S. B. Kim, H. D. Shin, H. Y. Kang, E. Y. Kim.....	649
Increased survivin expression contributes to apoptosis-resistance in IPF fibroblasts	
T. H. Sisson, T. M. Maher, I. O. Ajayi, J. E. King, P. D. R. Higgins, A. J. Booth, R. L. Sagana, S. K. Huang, E. S. White, B. B. Moore, J. C. Horowitz.....	657
Thymic stromal lymphopoietin: Next research hotspot of carcinogenesis?	
T. Wu, J. Wang, L. H. Jia, B. Cheng.....	665
Apoptosis in amphibian development	
J.-M. Exbrayat, E. N. Moudilou, L. Abrouk, C. Brun.....	669
Implications of apoptosis in cancer immunotherapy	
G. Lee, B. Ge.....	679
Etoposide-induced apoptosis results in chromosome breaks within the <i>AF9</i> gene: Its implication in chromosome rearrangement in leukaemia	
C. P. Nicholas, S.-P. Sim.....	686
Nitric oxide production is associated to increased lipoperoxidation and active caspase-3 in demyelinated brain regions of the taiep rat	
G. Soto-Rodríguez, D. Martínez-Fong, R. Arroyo, P. Aguilar-Alonso, H. Rubio, J. R. Eguibar, A. Ugarte, M. Torres-Soto, J. A. González-Barrios, J. Cebada, E. Brambila, B. A. Leon-Chavez.....	695
The relationship between apoptosis and aging	
B. Lu, H.-D. Chen, H.-G. Lu.....	705
The influence of diabetes enhanced inflammation on cell apoptosis and periodontitis	
T.-L. Chen, E.-L. Xu, H.-J. Lu, H. Xu, S.-F. Wang, H.-J. Zhao, Y.-M. Liu.....	712
Modulation of cell death pathways in cancer stem cells: Targeting histone demethylases	
R. Thakur, D. P. Mishra.....	720
Pentoxifylline suppressed LPS-induced inflammatory and apoptotic signaling in neuronal cells	
S. K. Muchhala, K. E. Benzeroual.....	731
New Caspases' inhibitors belonging to the serpin superfamily: A novel key control point of apoptosis in mammalian tissues	
M. Gagaoua, Y. Boudida, S. Becila, B. Picard, A. Boudjellal, M. Sentandreu, A. Ouali.....	740
Maternally-preset program of apoptosis and caspases involved in execution of the apoptosis at midblastula transition (MBT) but not before in <i>Xenopus laevis</i> embryogenesis	
K. Shiokawa.....	751

Characterization of macrophage mutants established by their resistance to LPS and cycloheximide-induced apoptotic cell death

F. Amano, S. Tsukabe, R. Teshima, K. Waku, K. Kohama.....770

Prevention of beta cell death in chronic pancreatitis

H. S. Dong, K. A. Morgan, D. B. Adams, H. J. Wang.....782

Nitric oxide-factor, which regulates proliferation and apoptosis in the adult brain of amur sturgeon *Acipenser schrenckii*

E. V. Pushchina, D. K. Obukhov.....788

Increased resistance to apoptosis during differentiation and syncytialization of BeWo choriocarcinoma cells

B.-R. Wei, C. Xu, N. S. Rote.....805

The figure on the front cover is from the article published in Advances in Bioscience and Biotechnology, 2012, Vol. 3, No. 6 Special Issue, pp. 695-704 by Guadalupe Soto-Rodríguez, *et al.*