

in vivo

- International Journal of Experimental and Clinical Pathophysiology and Drug Research
- Published bimonthly by the International Institute of Anticancer Research
- Available online with Stanford University HighWire Press

ISSN (print): 0258-851X; ISSN (online): 1791-7549

General Policy

- IN VIVO is a multidisciplinary journal designed to bring together original high quality works and reviews on experimental and clinical biomedical research within the framework of comparative physiology and pathology. The special focus of the journal is the publication of works on: (a) experimental development and the application of new diagnostic procedures; (b) pharmacological and toxicological evaluation of new drugs and drug combinations; (c) development and characterization of models for biomedical research.
- One of the principal aims of IN VIVO is to provide for the prompt publication of accepted articles, generally within 1-2 months from final acceptance.
- IN VIVO supports: (a) the aims and the research programmes of the INTERNATIONAL INSTITUTE OF ANTICANCER RESEARCH (IIAR) (Kapandriti, Attiki, Greece) and (b) the organization of the INTERNATIONAL CONFERENCES OF ANTICANCER RESEARCH.

Editorial Office

International Institute of Anticancer Research, 1st km Kapandritiou-Kalamou Rd., Kapandriti, P.O. Box 22, Attiki, 19014, Greece. Tel and Fax: +30-22950-53389; e-mail: journals@iiar-anticancer.org

For more information about IN VIVO, IIAR and the conferences please visit the IIAR websites: www.iiar-anticancer.org and www.iiarjournals.org

Selection of Recent Articles

Animal Models of *N*-Methyl-*N*-nitrosourea-induced Mammary Cancer and Retinal Degeneration with Special Emphasis on Therapeutic Trials. A. TSUBURA, Y.-C. LAI, H. MIKI, T. SASAKI, N. UEHARA, T. YURI, K. YOSHIZAWA (*Osaka, Japan*)

Intraesophageal Administration of GS-Nitroxide (JP4-039) Protects Against Ionizing Irradiation-induced Esophagitis. M.W. EPPERLY, J.P. GOFF, S. LI, X. GAO, P. WIPF, T. DIXON, H. WANG, D. FRANICOLA, H. SHEN, J.-C.M. RWIGEMA, V. KAGAN, M. BERNARD, J.S. GREENBERGER (*Pittsburgh, PA, USA*)

Effects of Combined Insulin-like Growth Factor 1 and Macrophage Colony-stimulating Factor on the Skeletal Properties of Mice. S.A. LLOYD, S.J. SIMSKE, L.K. BOGREN, S.E. OLESIAK, T.A. BATEMAN, V.L. FERGUSON (*Hershey, PA; Boulder; Fort Collins, CO; Chapel Hill, NC, USA*)

Cell Death Detection after High-LET Irradiation in an Orthotopic Human Hepatocellular Carcinoma *in Vivo*. A. ALTMAYER, M. IGNAT, J.-M. DENIS, N. MESSADDEQ, J. GUEULETTE, D. MUTTER, P. BISCHOFF (*Strasbourg; Illkirch Graffenstaden, France; Brussels, Belgium*)

Serum Calcium-decreasing Factor, Caldecrin, Ameliorates Muscular Dystrophy in *dy/dy* Mice. M. TOMOMURA, T. FUJII, H. SAKAGAMI, A. TOMOMURA (*Saitama; Tokushima, Japan*)

Nitric Oxide Concentrations are Normal and Unrelated to Activity Level in Chronic Fatigue Syndrome. M. MEEUS, I. VAN EUPEN, J. HONDEQUIN, L. DE HAUWERE, D. KOS, J. NIJS (*Antwerpen; Brussel, Belgium*)

Gene Expression Analysis of Oxidative Stress and Apoptosis in Proton-irradiated Rat Retina. X.W. MAO, L.M. GREEN, T. MEKONNEN, N. LINDSEY, D.S. GRIDLEY (*Loma Linda, CA, USA*)

Colon Cancer Vaccines: An Update. E. MERIKA, M.W. SAIF, A. KATZ, K. SYRIGOS, M. MORSE (*London, UK; Haven, CT; Durham, NC, USA; Athens, Greece*)

Novel Microminipig Model of Atherosclerosis by High Fat and High Cholesterol Diet, Established in Japan. N. MIYOSHI, M. HORIUCHI, Y. INOKUCHI, Y. MIYAMOTO, N. MIURA, S. TOKUNAGA, M. FUJIKI, Y. IZUMI, H. MIYAJIMA, R. NAGATA, K. MISUMI, T. TAKEUCHI, A. TANIMOTO, N. YASUDA, H. YOSHIDA, H. KAWAGUCHI (*Kagoshima; Osaka, Japan*)

CD95 and TNF α -induced Apoptosis in Liver Metastases of Colorectal Carcinoma. H.-U. KASPER, E. KONZE, M. KERN, D.L. STIPPEL (*Münster; Köln; Heidelberg, Germany*)

Thrombogenicity of Sirolimus-eluting Stents and Bare Metal Stents: Evaluation in the Early Phase after Stent Implantation. T. WALTER, K.S. REY, H.P. WENDEL, S. SZABO, T. SUSELBECK, C.-E. DEMPFLER, M. BORGGREFE, S. SWOBODA, M.E. BEYER, H.M. HOFFMEISTER (*Mannheim; Kirchheim; Tuebingen; Solingen, Germany*)

Non-antibiotics Reverse Resistance of Bacteria to Antibiotics. J.E. KRISTIANSEN, V.F. THOMSEN, A. MARTINS, M. VIVEIROS, L. AMARAL (*Odense; Copenhagen, Denmark; Lisbon, Portugal*)

An Adult Myometrial Pluripotential Precursor that Promotes Healing of Damaged Muscular Tissues. B.G. GALVEZ, N.S. MARTÍN, P. SALAMACOHEN, J.J. LAZCANO, M.J. CORONADO, M.L. LAMELAS, A. ALVAREZ-BARRIENTES, N. EIRÓ, F. VIZOSO, C. RODRIGUEZ (*Gijón, Spain*)

A Possible Mechanism for Altered Immune Response in the Elderly. G. MAZZOCCOLI, A. DE CATA, S. CARUGHI, A. GRECO, M. INGLESSE, F. PERFETTO, R. TARQUINI (*San Giovanni Rotondo; Florence, Italy*)

Urine and Serum Analysis of Consumed Curcuminoids Using an IrB-luciferase Surrogate Marker Assay. S. PONNURANGAM, F.G. MONDALEK, J. GOVIND, D. SUBRAMANIAM, C. HOUCHEM, S. ANANT, P. PANTAZIS, R.P. RAMANUJAM (*Oklahoma City, OK, USA*)

FREE SPECIMEN COPIES OF IN VIVO ARE AVAILABLE ON REQUEST

ANTICANCER RESEARCH

International Journal of Cancer Research and Treatment

ISSN (print): 0250-7005; ISSN (online): 1791-7530

- ANTICANCER RESEARCH is an independent international forum devoted to the rapid publication of original high quality articles and reviews on all aspects of experimental and clinical oncology. Prompt evaluation of all submitted articles in confidence and rapid publication within 1-2 months from acceptance are guaranteed.
- ANTICANCER RESEARCH is published monthly by the International Institute of Anticancer Research and is available online with Stanford University HighWire Press.
For more information please visit our websites www.iiar-anticancer.org and www.iiarjournals.org.
- **Editorial Office:** International Institute of Anticancer Research (IIAR), 1st km Kapandritiou-Kalamou Rd., Kapandriti, P.O. Box 22, Attiki 19014, Greece.
Tel & Fax: +30-22950-53389, e-mail: journals@iiar-anticancer.org. IIAR website: www.iiar-anticancer.org

● Selection of Recent Articles

Phase II Study of Saracatinib (AZD0530) for Patients with Recurrent or Metastatic Head and Neck Squamous Cell Carcinoma (HNSCC). M.G. FURY, S. BAXI, R. SHEN, K.W. KELLY, B.L. LIPSON, D. CARLSON, H. STAMBUK, S. HAQUE, D.G. PFISTER (*New York, NY, USA*)

Molecular Predictors of Combination Targeted Therapies (Cetuximab, Bevacizumab) in Irinotecan-Refractory Colorectal Cancer (BOND-2 Study). W. ZHANG, M. AZUMA, G. LURJE, M.A. GORDON, D. YANG, A. POHL, Y. NING, P. BOHANES, A. GERGER, T. WINDER, E. HOLLYWOOD, K.D. DANENBERG, L. SALTZ, H.-J. LENZ (*Los Angeles, CA; New York, NY, USA*)

Oxidative stress decreases Na⁺, H⁺ exchange (NHE) activity in a biliary epithelial cancer cell line (Mz-Cha-1). C. ELSING, A. VOSS, T. HERRMANN, I. KAISER, C.A. HUEBNER, T. SCHLENKER (*Dorsten; Heidelberg; Idar-Oberstein; Jena, Germany*)

MicroRNA-184-Mediated Inhibition of Tumour Growth in an Orthotopic Murine Model of Neuroblastoma. A. TIVNAN, N.H. FOLEY, L. TRACEY, A.M. DAVIDOFF, R.L. STALLINGS (*Dublin, Ireland; Memphis, TN, USA*)

Remodeling of the Tumor Microenvironment by Combined Treatment with a Novel Radiosensitizer, α -Sulfoquinovosylmonoacylglycerol (α -SQMG) and X-irradiation. K. OHTA, H. MURATA, Y. MORI, M. ISHIMA, F. SUGAWARA, K. SAKAGUCHI, M. MIURA (*Tokyo; Chiba, Japan*)

Inhibition of Notch Signaling Reduces the Stem-like Population of Breast Cancer Cells and Prevents Mammosphere Formation. P. GRUDZIEN, S. LO, K.S. ALBAIN, P. ROBINSON, P. RAJAN, P.R. STRACK, T.E. GOLDE, L. MIELE, K.E. FOREMAN (*Maywood, IL; Boston, MA; Jacksonville, FL, USA*)

Inhibition of BCL-2 in Small Cell Lung Cancer Cell Lines with Oblimersen, an Antisense BCL-2 Oligodeoxynucleotide (ODN): *In Vitro* and *In Vivo* Enhancement of Radiation Response. Y. LORIOT, P. MORDANT, B.D. BROWN, J. BOURHIS, J.-C. SORIA, E. DEUTSCH (*Villejuif; Paris, France; Berkeley Heights, NJ, USA*)

DNA Content and Methylation of p16, DAPK and RASSF1A Gene in Tumour and Distant, Normal Mucosal Tissue of Head and Neck Squamous Cell Carcinoma Patients. N. LAYTRAGOON-LEWIN, F. CHEN, J. CASTRO, G. ELMBERGER, L.E. RUTQVIST, F. LEWIN, I. TURESSON, J. LUNDGREN (*Uppsala; Jönköping; Stockholm, Sweden*)

Detection and Significance of Parametrial Micrometastases in Early Stage Cervical Cancer. P.C. BRADY, M.J. PALAYEKAR, X. CHEN, W.M. BURKE, I. DEUTSCH, X. SUN, T.J. HERZOG, J.D. WRIGHT (*New York, NY, USA*)

Procathepsin D and Cytokines Influence the Proliferation of Lung Cancer Cells. V. VETVICKA, J. VETVICKOVA (*Louisville, KY, USA*)

Experimental Model and Immunohistochemical Comparison of U87 Human Glioblastoma Cell Xenografts on the Chicken Chorioallantoic Membrane and in Rat Brains. T. STROJNIK, R. KAVALAR, T.A. BARONE, R.J. PLUNKETT (*Maribor, Slovenia; Buffalo, NY, USA*)

HPV Genotype Distribution in Oral and Oropharyngeal Squamous Cell Carcinoma Using Seven *In Vitro* Amplification Assays. D.W. KINGMA, R.A. ALLEN, W. MOORE, S.K. CAUGHORN, M. MELBY, E.M. GILLIES, R.A. MARLAR, S.T. DUNN (*Oklahoma City, OK; Billings, MT, USA*)

Dopamine Excess in Patients with Head and Neck Paragangliomas. A.N.A. VAN DER HORST-SCHRIVERS, T.E. OSINGA, I.P. KEMA, B.F.A.M. VAN DER LAAN, R.P.F. DULLAART (*Groningen, Netherlands*)

Inhibition of L-type Amino Acid Transporter 1 Has Antitumor Activity in Non-small Cell Lung Cancer. H. IMAI, K. KAIRA, N. ORIUCHI, K. SHIMIZU, H. TOMINAGA, N. YANAGITANI, N. SUNAGA, T. ISHIZUKA, S. NAGAMORI, K. PROMCHAN, T. NAKAJIMA, N. YAMAMOTO, M. MORI, Y. KANAI (*Gunma; Osaka; Shizuoka, Japan*)

Sorafenib Modulates the Gene Expression of Multi-drug Resistance Mediating ATP-Binding Cassette Proteins in Experimental Hepatocellular Carcinoma. K. HOFFMANN, C. FRANZ, Z. XIAO, E. MOHR, S. SERBA, M.W. BÜCHLER, P. SCHEMMER (*Heidelberg, Germany*)

Prognostic Markers for Detection of Coexistent Carcinoma in High-risk Endometrial Hyperplasia. A. ØRBO, B.T. MOE, M. ARNES, I. PETTERSEN, K. LARSEN, T. EGGEN, K. MYRMEL, K. HANSEN (*Tromsø, Norway*)

Targeting KRAS Lung Cancer *in Vivo* by Pulmonary Surfactant-mediated Gene Transfer. T. FUKAZAWA, Y. MAEDA, J. MATSUOKA, T. ONO, K. MOMINOKI, T. YAMATSUJI, K. SHIGEMITSU, I. MORITA, I. MURAKAMI, H. TANAKA, M.L. DURBIN, Y. NAOMOTO (*Okayama; Tokyo, Japan; Cincinnati, OH; Irvine, CA, USA*)

FREE SPECIMEN COPIES OF ANTICANCER RESEARCH ARE AVAILABLE ON REQUEST