

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 program 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.iv.iiarjournals.org

Selection of Recent Articles

Effect of Radiation and Repeated Sub-culturing on the Transforming Growth Factor- β 1 Signaling Pathway in FRTL-5 Cells. C.G. BURRELL, D.S. GRIDLEY, L.S. ORTLOFF, S.M. CHARLES, L.M. GREEN (*Loma Linda, CA; Winston-Salem, NC, USA*)

IL6 Plasma Concentrations in Patients with Sepsis Receiving SLED and Antibiotics: A Predictor for Survival. T.R. MCGUIRE, N.T. REARDON, K. BOGARD, T.J. PLUMB, C.J. BULTSMA, S.W. NISSEN, P.D. FULLER, K.M. OLSEN (*Omaha, NE; Ocala, FL, USA*)

Organ-specific Responses of Total Body Irradiated Doxycycline-inducible Manganese Superoxide Dismutase Tet/Tet Mice. B.H. RHIEU, A. SHINDE, M.W. EPPERLY, T. DIXON, H. WANG, R. CHAILLET, J.S. GREENBERGER (*Pittsburgh, PA, USA*)

Effect of GPIIb/IIIa Inhibition with Eptifibatid or Tirofiban on the Expression of Cellular Adhesion Molecules on Monocytes. S. SWOBODA, T. WALTER, S. LANG, H.-P. WENDEL, M.E. BEYER, E. GRIESEL, H.-M. HOFFMEISTER, J. GRUETTNER (*Heidelberg; Tuebingen; Kirchheim; Solingen, Germany*)

Tolerated Doses in Zebrafish of Cytochalasins and Jasplakinolide for Comparison with Tolerated Doses in Mice in the Evaluation of Pre-clinical Activity of Microfilament-directed Agents in Tumor Model Systems *In Vivo*. M. TRENDOWSKI, V. WONG, K. WELLINGTON, S. HATFIELD, T.P. FONDY (*Syracuse, NY, USA*)

A Novel Role of CYP2E1 in Human Megakaryocyte Development. Y. TANG, G. ZHANG, M. BAIRD, F. RACKE, W. ZHAO (*Columbus, OH; San Juan Capistrano, CA, USA*)

Efficacy and Side Effects of a Semi-individualized Chinese Herb Mixture "Tiáo Gēng Tāng" for Menopausal Syndrome in China. M. JIA, L. KLUWE, H.-C. LIU, Q.-J. TANG, L. LIU, Z.-Z. WANG, L.-X. TIAN, L. ZHAO, Y.-C. CHEN, R.E. FRIEDRICH, Z.-J. SUN, L.-W. XU (*Shanghai, PR China; Hamburg, Germany*)

Sex Hormones Differentially Modulate STAT3-dependent Antioxidant Responses during Oxidative Stress in Renal Proximal Tubule Cells. D.K. REED, I. ARANY (*Jackson, MS, USA*)

Effect of Melatonin on Human Nighttime Endotoxaemia: Randomized, Double-blinded, Cross-over Study. M. ALAMILI, K. BENDTZEN, J. LYKKESFELDT, J. ROSENBERG, I. GÖGENUR (*Køge; Copenhagen; Herlev, Denmark*)

The Success Rate in a Complicated Spatial Memory Test Is Determined by Age, Sex, Life History and Search Strategies in Cynomolgus Monkeys. H.S. DARUSMAN, O. KALLIOKOSKI, D. SAJUTHI, S.J. SCHAPIRO, A. GJEDDE, J. HAU (*Copenhagen; Aarhus, Denmark; Bogor, Indonesia; Bastrop, TX; Baltimore, MD, USA; Montréal, QC, Canada*)

No Changes in Cerebral Microcirculatory Parameters in Rat During Local Cortex Exposure to Microwaves. H. MASUDA, S. HIROTA, A. USHIYAMA, A. HIRATA, T. ARIMA, H. WATANABE, K. WAKE, S. WATANABE, M. TAKI, A. NAGAI, C. OHKUBO (*Tokyo; Saitama; Aichi, Japan*)

Improving the Bioavailability and Anticancer Effect of the PCA-1/ALKBH3 Inhibitor HUHS015 Using Sodium Salt. M. MABUCHI, T. SHIMIZU, M. UEDA, Y. SASAKAWA, S. NAKAO, Y. UEDA, A. KAWAMURA, K. TSUJIKAWA, A. TANAKA (*Kobe; Osaka; Suita; Kainan, Japan*)

CAG-repeats in Androgen Receptor Gene Relate with Plasma Androgens Levels in the Bouvier Des Flandres. H. L' EPLATTENIER, E. TESKE, F. VAN SLUIJS, J.A. MOL (*Utrecht, Netherlands*)

Bone Substitutes Enhance Osteogenic Differentiation of Mesenchymal Stem Cells in Three-dimensional Scaffolds. H. HANKEN, J. ALPERS, M. BÖBEL, M. WÖLTJE, P. HARTJEN, R.E. FRIEDRICH, O. JUNG, C. RENDENBACH, A. GRÖBE, M. HEILAND, A. AL-DAM, W. EICHHORN, R. SMEETS (*Hamburg; Aachen, Germany*)

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.
- **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

Targeting Chemokine Receptor CXCR7 Inhibits Glioma Cell Proliferation and Mobility. Y. LIU, E. CARSON-WALTER, K. A. WALTER (Rochester, NY, USA)
TSU-68 Ameliorates Hepatocellular Carcinoma Growth by Inhibiting Microenvironmental Platelet-derived Growth Factor Signaling. Y. HARA, T. YAMASHITA, N. OISHI, K. NIO, T. HAYASHI, Y. NOMURA, M. YOSHIDA, T. HAYASHI, T. HASHIBA, Y. ASAHINA, M. KONDO, H. OKADA, H. SUNAGOZAKA, M. HONDA, S. KANEKO (*Ishikawa, Japan*)

In Vitro Chemoresponse in Metachronous Pairs of Ovarian Cancers. H.J. DALTON, J.V. FIORICA, R.P. EDWARDS, I. BENJAMIN, R.P. ROCCONI, F.O. RECIO, J.L. LOVECCHIO, M.O. BURRELL, M.S. SHAHIN, E.C. GRENDRYS, D. WANG, T. WANG, B.J. MONK (*Houston, TX; Pittsburgh; Abington, PA; Phoenix, AZ; Atlanta, GA; Mobile, AL; Sarasota; Boca Raton; Fort Myers, FL; Manhasset, NY, USA*)

Detection of Circulating Tumor Cells in High-risk Endometrial Cancer. G. BOGANI, M.C. LIU, S.C. DOWDY, W.A. CLIBY, S.E. KERR, K.R. KALLI, B.R. KIPP, K.C. HALLING, M.B. CAMPION, A. MARIANI (*Rochester, MN, USA*)

Inhibition of P-TEFb by DRB Suppresses SIRT1/CK2 α Pathway and Enhances Radiosensitivity of Human Cancer Cell. Z.-Q. WANG, C.L. JOHNSON, A. KUMAR, D.P. MOLKENTINE, J.M. MOLKENTINE, T. RABIN, K.A. MASON, L. MILAS, U. RAJU (*Houston, TX, USA*)

The Antihypertensive Drug Prazosin Induces Apoptosis in the Medullary Thyroid Carcinoma Cell Line TT. R. FUCHS, G. SCHWACH, A. STRACKE, N. MEIER-ALLARD, M. ABSENGER, E. INGOLIC, H.S. HAAS, R. PFRAGNER, A. SADJAK (*Graz, Austria*)

Complementarity of Variable-magnification and Spectral-separation Fluorescence Imaging Systems for Noninvasive Detection of Metastasis and Intravital Detection of Single Cancer Cells in Mouse Models. Y. ZHANG, Y. HIROSHIMA, H. MA, N. ZHANG, M. ZHAO, R.M. HOFFMAN (*San Diego, CA, USA; Yokohama, Japan*)

Transduction of a Novel HLA-DRB1*04:05-restricted, WT1-specific TCR Gene into Human CD4⁺ T Cells Confers Killing Activity against Human Leukemia Cells. A. KATSUHARA, F. FUJIKI, N. AOYAMA, S. TANII, S. MORIMOTO, Y. OKA, A. TSUBOI, H. NAKAJIMA, K. KONDO, N. TATSUMI, J. NAKATA, Y. NAKAE, S. TAKASHIMA, S. NISHIDA, N. HOSEN, S. SOGO, Y. OJI, H. SUGIYAMA (*Osaka; Tokushima, Japan*)

Comparative Effects of 4-Phenyl-3-Butenoic Acid and Vorinostat on Cell Growth and Signaling. T.J. BURNS, A. ALI, D.F. MATESIC (*Atlanta, GA, USA*)

Lapatinib plus Pegylated Liposomal Doxorubicin in Advanced HER2-Positive Breast Cancer Following Trastuzumab: A Phase II Trial. M. PIRCHER, B. MLINERITSCH, M.A. FRIDRIK, C. DITTRICH, A. LANG, E. PETRU, A. WELTERMANN, J. THALER, C. HUFNAGL, S.P. GAMPENRIEDER, G. RINNERHALER, S. RESSLER, H. ULMER, R. GREIL (*Salzburg; Vienna; Graz; Rankweil; Linz; Grieskirchen; Innsbruck, Austria*)

Human Adipose Tissue-derived Mesenchymal Stem Cells Inhibit Melanoma Growth *In Vitro* and *In Vivo*. J.-O. AHN, Y.-R. COH, H.-W. LEE, I.-S. SHIN, S.-K. KANG, H.-Y. YOUN (*Seoul, Republic of Korea*)

The Concurrent Use of Aromatase Inhibitors and Radiotherapy Induces Echocardiographic Changes in Patients with Breast Cancer. T. SKYTÄ, S. TUOHINEN, V. VIRTANEN, P. RAATIKAINEN, P.-L. KELLOKUMPU-LEHTINEN (*Tampere, Finland*)

Chemotherapy-induced Changes and Immunosenescence of CD8⁺ T-Cells in Patients with Breast Cancer. O.O. ONYEMA, L. DECOSTER, R. NJEMINI, L.N. FORTI, I. BAUTMANS, M. DE WAELE, T. METS (*Brussels, Belgium*)

Matched-pair Analysis of Dendritic Cell Versus Targeted Therapy in Patients with Metastatic Renal Cell Carcinoma. A. ISAAK, S. HAUSER, S. ROGENHOFER, I.G.H. SCHMIDT-WOLF (*Bonn, Germany*)

Chondroitin Sulfate Proteoglycan-4 Does Not Protect Melanoma Cells During Inhibition of PI3K and mTOR Pathways. S. JAVAID, K. TERAI, A.Z. DUDEK (*Minneapolis, MN; Chicago, IL, USA*)

MicroRNA Expression in Differentially Metastasizing Tumors of the Head and Neck: Adenoid Cystic Versus Squamous Cell Carcinoma. J.A. VEIT, K. SCHECKENBACH, P.J. SCHULER, S. LABAN, S.P. WIGGENHAUSER, J. THIERAUF, J.P. KLUSSMANN, T.K. HOFFMANN (*Ulm; Düsseldorf; Giessen, Germany*)

Oncolytic Potential of a Novel KGFR Tyrosine Kinase Inhibitor Using a KGFR-selective Breast Cancer Xenograft Model. J.W. KESINGER, M. MEHTA, M.R. LERNER, D.J. BRACKETT, R.W. BRUEGGEMEIER, P.-K. LI, J.T. PENTO (*Oklahoma City, OK; Columbus, OH, USA*)

Treatment of Transmissible Venereal Tumours in Dogs with Intratumoural Interleukin-2 (IL-2). A Pilot Study. W. DEN OTTER, M. HACK, J.J.L. JACOBS, J.F.V. TAN, L. ROZENDAAL, R.J.A. VAN MOORSELAAR (*Ronde Klip, Curacao; Gouda, Netherlands*)

FREE SPECIMEN COPIES OF ANTICANCER RESEARCH ARE AVAILABLE ON REQUEST