

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

Cryopreservation of Viable Human Lung Tissue for Versatile Post-thaw Analyses and Culture. J.E. BAATZ, D.A. NEWTON, E.C. RIEMER, C.E. DENLINGER, E.E. JONES, R.R. DRAKE, D.D. SPYROPOULOS (*Charleston, SC, USA*)

Establishment and Characterization of New Orthotopic and Metastatic Neuroblastoma Models. E. DAUDIGEOS-DUBUS, L. LE DRET, V. ROUFFIAC, O. BAWA, I. LEGUERNEY, P. OPOLON, G. VASSAL, B. GEOERGER (*Orsay; Villejuif, France*)

Comparative Study of Prescribing Patterns of Tigecycline for Trial-Patients versus Non-Trial-Patients. J.J. HORSCHT, J.B. ZIMMERMANN, M.A. WEIGAND, T. BRUCKNER, E.O. MARTIN, T. HOPPE-TICHY, S. SWOBODA (*Heidelberg; Gießen, Germany*)

Effects of the Bifunctional Sulfoxide MMS350, A Radiation Mitigator, on Hematopoiesis in Long-Term Bone Marrow Cultures and on Radioresistance of Marrow Stromal Cell Lines. A. SHINDE, M.W. EPPERLY, S. CAO, D. FRANICOLA, D. SHIELDS, H. WANG, P. WIPF, M.M. SPRACHMAN, J.S. GREENBERGER (*Pittsburgh, PA, USA*)

The Need for Surgery in Acute Abdominal Pain: A Randomized Study of Abdominal Computed Tomography. P. JUVONEN, T. LEHTIMÄKI, M. ESKELINEN, I. ILVES, R. VANNINEN, P. MIETTINEN, H. PAAJANEN (*Kuopio, Finland*)

Inhibitory Action of Levocetirizine on the Production of Eosinophil Chemoattractants RANTES and Eotaxin In Vitro and In Vivo. A. KANEI, K. ASANO, K.-I. KANAI, A. FURUTA, K. SASAKI, H. SUZAKI (*Tokyo; Yokohama, Japan*)

Poor Memory Performance in Aged Cynomolgus Monkeys with Hippocampal Atrophy, Depletion of Amyloid Beta 1-42 and Accumulation of Tau Proteins in Cerebrospinal Fluid. H.S. DARUSMAN, J. PANDELAKI, R. MULYADI, D. SAJUTHI, I.A. PUTRI, O.H. KALLIOKOSKI, J. CALL, K.S.P. ABELSON, S.J. SCHAPIRO, A. GJEDDE, J. HAU (*Copenhagen; Aarhus, Denmark; Jakarta; Bogor, Indonesia; Leipzig, Germany; Bastrop, TX; Baltimore, MD, USA; Montreal, QC, Canada*)

Effects of Interactions between Progesterone and Prostaglandin on Uterine Contractility in Perfused Swine Uterus Model. J. KÜNZEL, K. GEISLER, T. MALTARIS, A. MÜLLER, I. HOFFMANN, H. SCHNEIDER, M.W. BECKMANN, R. DITTRICH, P.G. OPPELT (*Erlangen, Germany*)

Esophageal Radioprotection in Thoracic Irradiated Mice with Transgenic Lung Tumors by Swallowed JP4-039/F15. M.W. EPPERLY, J.P. GOFF, D. FRANICOLA, H. WANG, P. WIPF, S. LI, J.S. GREENBERGER (*Pittsburgh, PA, USA*)

Malignant Ascites in Ovarian Cancer and the Role of Targeted Therapeutics. E. SMOLLE, V. TAUCHER, J. HAYBAECK (*Graz, Austria*)

Increased DNA Integrity in Colorectal Cancer. G. LESZINSKI, J. LEHNER, U. GEZER, S. HOLDENRIEDER (*Munich; Bonn, Germany; Istanbul, Turkey*)

Circulating Human Fractalkine is Decreased Post-operatively After Orthopedic and Coronary Bypass Surgery. T. EKERFELDT, J. HELMERSSON-KARLQVIST, T. GORDH, A. LARSSON (*Uppsala, Sweden*)

Circulating miR-18a; A Sensitive Cancer Screening Biomarker in Human Cancer. S. KOMATSU, D. ICHIKAWA, H. TAKESHITA, R. MORIMURA, S. HIRAJIMA, M. TSUJIIURA, T. KAWAGUCHI, M. MIYAMAE, H. NAGATA, H. KONISHI, A. SHIOZAKI, E. OTSUJI (*Kyoto, Japan*)

Antioxidant Effects of Lipophilic Tea Polyphenols on Diethylnitrosamine/Phenobarbital-induced Hepatocarcinogenesis in Rats. F. ZHOU, T. SHEN, T. DUAN, Y.-Y. XU, S.C. KHOR, Y.-F. ZHENG, S. HSU, J. DE STEFANO, J. YANG, L.-H. XU, X.-Q. ZHU (*Hangzhou, Zhejiang; Shanghai, PR China; Augusta, GA, USA*)

Anti-inflammatory Effects of Polihexanide and Polyethylene glycol in an In-vitro Study in Chronic Rhinosinusitis. R. BIRK, J. GROSSBAIER, C. ADERHOLD, J. STERN-STRÄTER, K. HÖRMANN, A. SAUTER, J.U. SOMMER (*Heidelberg, Germany*)

Anti-UV Activity of Kampo Medicines and Constituent Plant Extracts: Re-evaluation with Skin Keratinocyte System. T. KATO, S. HINO, N. HORIE, T. SHIMOYAMA, T. KANEKO, K. KUSAMA, H. SAKAGAMI (*Saitama; Tokyo, Japan*)

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 website www.ar.iarjournals.org.
- **Editorial Office:** International Institute of Anticancer Research (IAR), 1st km Kapandritiou-Kalamou Rd., Kapandriti, P.O. Box 22, Attiki 19014, Greece. Tel & Fax: +30-22950-53389, e-mail: journals@iar-anticancer.org.
IAR website: www.iar-anticancer.org
- **Selection of Recent Articles**

Novel Vitamin D Analogs as Potential Therapeutics: The Metabolism, Toxicity Profiling, and Antiproliferative Activity. J. CHEN, J. WANG, T.-K. KIM, E.W. TIEU, E.K.Y. TANG, Z. LIN, D. KOVACIC, D.D. MILLER, A. POSTLETHWAITE, R.C. TUCKEY, ANDRZEJ T. SLOMINSKI, W. LI (Memphis; Knoxville, TN, USA; Crawley, WA, Australia)

Levonorgestrel-impregnated Intrauterine Device Reduces Occurrence of Hyperplastic Polyps: A Population-based Follow-up Cohort Study. A. MARIT, B. HVIINGEL, A. ØRBO (Tromsø, Norway)

Impact of Epoetin beta on Anemia and Health-related Quality of Life in Cancer Patients: A Prospective Observational Study Using the Generic 15D Instrument. J. MÄENPÄÄ, U. PUISTOLA, H. RISKÄ, H. SINTONEN, O. SAARNI, E. JUVONEN, P.-L. KELLOKUMPU-LEHTINEN (Tampere; Oulu; Turku, Finland)

Survival of Patients Undergoing Cytoreductive Surgery for Metastatic Renal Cell Carcinoma in the Targeted Therapy Era. M.R. ABERN, E. SCOSYREV, M. TSIVIAN, E.M. MESSING, T.J. POLASCIK, A. DUDEK (Chicago, IL; Rochester, NY; Durham, NC, USA)

Malignant Ascites in Ovarian Cancer and the Role of Targeted Therapeutics. E. SMOLLE, V. TAUCHER, J. HAYBAECK (Graz, Austria)

New Developments in the Treatment of Metastatic Melanoma: Immune Checkpoint Inhibitors and Targeted Therapies. K. AZIJLI, E. STELLOO, G.J. PETERS, A.J.M. VAN DEN EERTWEGH (Amsterdam, Netherlands)

Ascorbic Acid Induces either Differentiation or Apoptosis in MG-63 Osteosarcoma Lineage. M.T. VALENTI, M. ZANATTA, L. DONATELLI, G. VIVIANO, C. CAVALLINI, M.T. SCUPOLI, L. DALLE CARBONARE (Verona, Italy)

New Anticancer Agents: Role of Clinical Pharmacy Services. D. LEVEQUE, A. DELPEUCH, B. GOURIEUX (Strasbourg, France)

Global MicroRNA Profiling of Pancreatic Neuroendocrine Neoplasias. C. THORNS, C. SCHURMANN, N. GEBAUER, H. WALLASCHOFKI, C. KUMPERTS, V. BERNARD, A.C. FELLER, T. KECK, J.K. HABERMANN, N. BEGUM, H. LEHNERT, G. BRABANT (Löbeck; Greifswald, Germany)

Evidence that Mifepristone, a Progesterone Receptor Antagonist, can Cross the Blood Brain Barrier and Provide Palliative Benefits for Glioblastoma Multiforme Grade IV. J.H. CHECK, C. WILSON, R. COHEN, M. SARUMI (Camden; Marlton, NJ; Philadelphia, PA, USA)

HLA-A*02 in Relation to Outcome in Human Papillomavirus Positive Tonsillar and Base of Tongue Cancer. N. TERTIPIIS, L. VILLABONA, C. NORDFORS, A. NASMAN, T. RAMQVIST, A. VLASTOS, G. MASUCCI, T. DALIANIS (Stockholm, Sweden)

Neamine Inhibits Oral Cancer Progression by Suppressing Angiogenin-mediated Angiogenesis and Cancer Cell Proliferation. K. KISHIMOTO, S. YOSHIDA, S. IBARAGI, N. YOSHIOKA, G.-F. HU, A. SASAKI (Okayama, Japan; Boston, MA, USA)

Inflammation-based Prognostic Score (mGPS) Predicts Biliary Stent Patency in Patients with Unresectable Malignant Biliary Obstruction. Y. IWASAKI, M. ISHIZUKA, M. KATO, J. KITA, M. SHIMODA, K. KUBOTA (Mibu, Tochigi, Japan)

The Association of Caveolin-1 Genotypes with Gastric Cancer in Taiwan. C.-H. LIN, C.-C. LIN, C.-W. TSAI, W.-S. CHANG, C.-W. YANG, D.-T. BAU (Taichung, Taiwan, ROC)

DNA Methylation in Paired Breast Epithelial and White Blood Cells from Women Undergoing Reduction Mammoplasty. S.R. STURGEON, K.F. ARCARO, M.A. JOHNSON, R. BALASUBRAMANIAN, M. ZORN, D.J. JERRY, S. SMITH SCHNEIDER (Amherst; Springfield, MA, USA)

Clinical Trial of a 7-Peptide Cocktail Vaccine with Oral Chemotherapy for Metastatic Colorectal Cancer Patients. K. OKUNO, F. SUGIURA, K. INOUE, Y. SUKEGAWA (Osaka-sayama, Osaka, Japan)

Bone Morphogenetic Protein (BMP) Focused Strategies to Induce Cytotoxicity in Lung Cancer Cells. A. FOTINOS, N. NAGARAJAN, A.S. MARTINS, D.T. FRITZ, D. GARSETTI, A.T. LEE, C.C. HONG, M.B. ROGERS (Newark, NJ; Manhasset, NY; Nashville, TN, USA)

Novel Nucleosomics Serum Biomarkers for the Detection of Colorectal Cancer. S. HOLDENRIEDER, Y. DHARUMAN, J. STANDOP, N. TRIMPOP, M. HERZOG, K. HETTWER, K. SIMON, S. UHLIG, J. MICALLEF (Bonn; Dresden, Germany; Namur, Belgium)

High Levels of Wilms' Tumor 1 (WT1) Expression were Associated with Aggressive Clinical Features in Ovarian Cancer. Z. LIU, K. YAMANOUCHI, T. OHTA, S. MATSUMURA, M. SEINO, V. SHRIDHAR, T. TAKAHASHI, K. TAKAHASHI, H. KURACHI (Yamagata, Japan; Rochester, MN, USA)

Synergistic Inhibition of HCC and Liver Cancer Stem Cell Proliferation by Targeting RAS/RAF/MAPK and WNT/ β -Catenin Pathways. R. GALUPPO, E. MAYNARD, M. SHAH, M.F. DAILY, C. CHEN, B.T. SPEAR, R. GEDALY (Lexington, KY, USA)

FREE SPECIMEN COPIES OF ANTICANCER RESEARCH ARE AVAILABLE ON REQUEST