

in vivo

ISSN (online): 1791-7549

- International Journal of Experimental and Clinical Pathophysiology and Drug Research
- Published bimonthly by the International Institute of Anticancer Research
- Available online only and open access (effective January 2017) with Stanford University HighWire Press

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 frames of human physiology, pathology and disease management. A special focus of the journal is the publication of works on: (a) Experimental development and application of new diagnostic procedures; (b) Pharmacological and toxicological evaluation of new drugs and drug combinations; (c) Clinical trials; (d) Development and characterization of models of biomedical research.
- The principal aim of IN VIVO is to provide prompt online publication for accepted articles, generally within 1-2 months from final acceptance.

Editorial Office

International Institute of Anticancer Research, 1st km Kapandritiou-Kalamou Rd., P.O. Box 22, Kapandriti, Attiki 19014, Greece. Tel: +30 22950 52945, Fax: +30 22950 53389.

U.S. Branch: Anticancer Research Inc., USA, 111 Bay Avenue, Highlands, NJ, USA.

E-mail: journals@iiar-anticancer.org; IIAR websites: www.iiar-anticancer.org and www.iiarjournals.org

Selection of Recent Articles

Effectiveness of Analogues of the GS-Nitroxide, JP4-039, as Total Body Radiation Mitigators. M.W. EPPERLY, J.R. SACHER, T. KRAINZ, X. ZHANG, P. WIPF, M. LIANG, R. FISHER, S. LI, H. WANG, J.S. GREENBERGER (*Pittsburgh, PA, USA*)

Wound Healing is Delayed in the ZSD Rat. M.A. SUCKOW, T.A. GOBBETT, R.G. PETERSON (*St. Paul, MN; Indianapolis, IN, USA*)

Active and Passive Immunization Against *Staphylococcus aureus* Periprosthetic Osteomyelitis in Rats. N.H.SØE, N.V. JENSEN, A.L. JENSEN, J. KOCH, S.S. POULSEN, G.B. PIER, H.K. JOHANSEN (*Copenhagen; Ballerup; Hørsholm, Denmark; Boston, MA, USA*)

Effective Mediastinal Lymphadenectomy for Esophageal Cancer Using Slender Tracheal Forceps in Prone Position Thoracoscopic Esophagectomy. M. NAKAJIMA, M. TAKAHASHI, Y. DOMEKI, H. SATOMURA, H. MUROI, M. KIKUCHI, H. OGATA, S. YAMAGUCHI, K. SASAKI, M. SAKAI, M. SOHDA, T. MIYAZAKI, H. KUWANO, H. KATO (*Mibu; Maebashi, Japan*)

A Model of the Development of Cisplatin Resistance in Human Small Cell Lung Cancer Xenografts. P.B. CAFFREY, G.D. FRENKEL, K.L. MCANDREW, K. MARKS (*California; Pittsburgh, PA; Newark, NJ, USA*)

Applicability of Commercially Available ELISA Kits for the Quantification of Faecal Immunoreactive Corticosterone Metabolites in Mice. K.S.P. ABELSON, O. KALLIOKOSKI, A.C. TEILMANN, J. HAU (*Copenhagen, Denmark*)

Gene Expression Analysis of Cultured Rat-Endothelial Cells after Nd: YAG Laser Irradiation by Affymetrix GeneChip Array. Y. MASUDA, S. YOKOSES, H. SAKAGAMI (*Saitama, Japan*)

Polymorphism in Murine mtATP8 Gene Correlates with Decreased Reactive Oxygen Species in Aging Hematopoietic Cells. C. ROOLF, C. KRETZSCHMAR, K. TIMMER, A. SEKORA, G. KNÜBEL, H.M. ESCOBAR, G. FUELLEN, S.M. IBRAHIM, M. TIEDGE, S. BALTRUSCH, S. MÜLLER, R. KÖHLING, C. JUNGHANSS (*Rostock, Germany*)

Induction of TGF- β by Irradiation or Chemotherapy in Fanconi Anemia (FA) Mouse Bone Marrow is Modulated by Small Molecule Radiation Mitigators JP4-039 and MMS350. M.W. EPPERLY, D. FRANICOLA, T. DIXON, S. CAO, X. ZHANG, D. SHIELDS, H. WANG, P. WIPF, J.S. GREENBERGER (*Pittsburgh, PA, USA*)

Prognostic Impact of a Nutritional Index Including Muscle Volume in Stage 4 Colorectal Cancer. T. NAGATA, Y. NAKASE, K. NAKAMURA, A. SOUGAWA, S. MOCHIDUKI, S. KITAI, S. INABA (*Nara, Japan*)

Cell Pleomorphism and Cytoskeleton Disorganization in Human Liver Cancer. C.-C. CHENG, Y.-C.C. LAI, Y.-S. LAI, W.-T. CHAO, Y.-H. TSENG, Y.-H. HSU, Y.-Y. CHEN, Y.-H. LIU (*Changhua; Taichung; Kaohsiung; Hualien, Taiwan, ROC*)

The Effect of Induced Antibodies with Respect to Neutralization, Clearance Rate and Functional Activity in a Rabbit/Infliximab Model. M.L. HENRIKSEN, A. TEISNER, J. KJELDEN, O. KALLIOKOSKI, J. HAU, S. WERNER, K. HANSEN (*Odense; Copenhagen, Denmark*)

Palliative Radiotherapy in Cancer Patients with Increased Serum C-reactive Protein Level. C. NIEDER, B. MANNSÅKER, A. DALHAUG, A. PAWINSKI, E. HAUKLAND (*Tromsø; Bodø, Norway*)

Simvastatin Inhibits Epithelial-to-Mesenchymal Transition Induction of HO-1 in Cultured Renal Proximal Tubule Cells. J.S. CLARK, A.J. CARTER, M. DIXIT, I. ARANY (*Jackson, MS, 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. The IJAR is a member of UICC.
- **Editorial Office:** International Institute of Anticancer Research, 1st km Kapandritiou-Kalamou Rd., P.O. Box 22, Kapandriti, Attiki 19014, Greece. Tel: +30 22950 52945, Fax: +30 22950 53389.
U.S. Branch: Anticancer Research Inc., USA, 111 Bay Avenue, Highlands, NJ, USA.
E-mail: journals@iiar-anticancer.org; IJAR websites: www.iiar-anticancer.org and www.iiarjournals.org

● Selection of Recent Articles

Inhibition of Galectin-1 Sensitizes HRAS-driven Tumor Growth to Rapamycin Treatment. J.V. MICHAEL, J.G.T. WURTZEL, L.E. GOLDFINGER (*Philadelphia, PA, USA*)

In Vivo Selection of Intermediately and Highly Malignant Variants of Triple-negative Breast Cancer in Orthotopic Nude Mouse Models. S. YANO, K. TAKEHARA, H. KISHIMOTO, H. TAZAWA, Y. URATA, S. KAGAWA, M. BOUVET, T. FUJIWARA, R.M. HOFFMAN (*San Diego, CA, USA; Okayama; Tokyo, Japan*)

A Single Intravesical Instillation of VAX014 Inhibits Orthotopic Superficial Bladder Tumor Implantation to Increase Survival. B.M. HANCOCK, K.L. MCGUIRE, S. TSUJI, K. REIL, V. HERNANDEZ, M.J. GIACALONE, W.T. GODBEY (*San Diego, CA; New Orleans, LA, USA*)

Bevacizumab Combined with Docetaxel or Paclitaxel as First-line treatment of HER2-negative Metastatic Breast Cancer. L. TIAINEN, M. TANNER, O. LAHDENPERÄ, P. VIHINEN, A. JUKKOLA, P. KARIHTALA, N. PAUNU, T. HUTTUNEN, P.-L. KELLOKUMPU-LEHTINEN (*Tampere; Turku; Oulu, Finland*)

Plasma Adiponectin and Hepatocellular Carcinoma Survival among Patients without Liver Transplantation. J. SHEN, C.-C. YEH, Q. WANG, I. GURVICH, A.B. SIEGEL, R.M. SANTELLA (*New York, NY, USA; Taipei, Taiwan, ROC*)

Y-box-binding Protein 1 is Involved in Regulating the G2/M Phase of the Cell Cycle. Y. KOTAKE, N. ARIKAWA, K. TAHARA, H. MARU, M. NAEMURA (*Iizuka, Japan*)

Cervical Cancer Patient-Derived Orthotopic Xenograft (PDOX) is Sensitive to Cisplatin and Resistant to Nab-paclitaxel. T. MURAKAMI, T. MURATA, K. KAWAGUCHI, T. KIYUNA, K. IGARASHI, H.K. HWANG, Y. HIROSHIMA, C. HOZUMI, S. KOMATSU, T. KIKUCHI, T.M. LWIN, J.C. DELONG, K. MIYAKE, Y. ZHANG, K. TANAKA, M. BOUVET, I. ENDO, R.M. HOFFMAN (*San Diego, CA, USA; Yokohama; Okayama; Sendai; Okinawa; Kanazawa; Tokyo, Japan; Seoul, Republic of Korea*)

Different Expression Patterns of CXCR4, CCR7, Maspin and FOXP3 in Luminal Breast Cancers and Their Sentinel Node Metastases. L. STRIEN, K. JOENSUU, P. HEIKKILÄ, M.H. LEIDENIUS (*Helsinki, Finland*)

KIF11 Is Required for Spheroid Formation by Oesophageal and Colorectal Cancer Cells. T. IMAI, N. OUE, K. SENTANI, N. SAKAMOTO, N. URAOKA, H. EGI, T. HINOI, H. OHDAN, K. YOSHIDA, W. YASUI (*Hiroshima; Gifu; Kure, Japan*)

¹¹C-Acetate-PET/CT Compared to ^{99m}Tc-HDP Bone Scintigraphy in Primary Staging of High-risk Prostate Cancer. S. STRANDBERG, C. THELLENBERG KARLSSON, M. OGREN, J. AXELSSON, K. RIKLUND (*Umea, Sweden*)

Lung Adenocarcinoma in Never Smokers: Problems of Primary Prevention from Aspects of Susceptible Genes and Carcinogens. I. OKAZAKI, S. ISHIKAWA, W. ANDO, Y. SOHARA (*Tokyo; Otawara; Okegawa, Japan*)

Epithelial-Mesenchymal Expression Phenotype of Primary Melanoma and Matched Metastases and Relationship with Overall Survival. S. YAN, B.M. HOLDERNESS, Z. LI, G.D. SEIDEL, J. GUI, J.L. FISHER, M.S. ERNSTOFF (*Lebanon, NH; Buffalo, NY, USA*)

Kinomics Screen Identifies Aberrant Phosphorylation of CDC25C in FLT3-ITD-positive AML. F. PERNER, T.M. SCHNÖDER, T. FISCHER, F.H. HEIDEL (*Magdeburg; Jena, Germany*)

Ectopic Myoglobin Expression is Associated with a Favourable Outcome in Head and Neck Squamous Cell Carcinoma Patients. S. MELLER, A. VAN ELLEN, H. GEVENSLEBEN, A. BICKER, T. HANKELN, T.A. GORR, V. SAILER, F. DRÖGE, F. SCHRÖCK, F. BOOTZ, A. SCHRÖCK, S. PERNER, D. DIETRICH, G. KRISTIANSEN (*Mainz; Bonn; Essen; Luebeck and Borstel, Germany; Zurich, Switzerland; New York, NY, USA*)

FREE SPECIMEN COPIES OF ANTICANCER RESEARCH ARE AVAILABLE ON REQUEST