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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.

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Selection of Recent Articles


Wound Healing is Delayed in the ZDSD 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. PIEN, H.K. JOHANSEN (Copenhagen; Ballerup; Hørsholm, Denmark; Boston, MA, USA)


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. KALLOIKOSKI, 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)


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. SOUGA, 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. KJELDSEN, O. KALLOIKOSKI, 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. HAUPLAND (Tromso; 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)
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  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)

  Bevacizumab Combined with Docetaxel or Paclitaxel as First-line treatment of HER2-negative Metastatic Breast Cancer. L. TIAINEN, M. TANNER, O. LAHDENPERA, P. VIHINE, 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. NAEUMURA (Izuka, Japan)

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

  11C-Acetate-PET/CT Compared to 99mTc-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; Otsawara; Okegawa, Japan)

  Kinomics Screen Identifies Aberrant Phosphorylation of CDC25C in FLT3-ITD-positive AML. F. PERNER, T.M. SCHNøDER, 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. GORG, 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)