

JOURNAL OF BIOLOGICAL REGULATORS & HOMEOSTATIC AGENTS

Volume 31, No. 1, January - March, 2017

CONTENTS

<i>Editorials</i>	
W. Kranc, J. Budna, R. Kahan, A. Chachula, A. Bryja, S. Ciesiółka, S. Borys, M.P. Antosik, D. Bukowska, K.P. Brussow, M. Bruska, M. Nowicki, M. Zabel and B. Kempisty. Molecular basis of growth, proliferation, and differentiation of mammalian follicular granulosa cells	1
G. Tomasello, F. Giordano, M. Mazzola, R. Jurjus, A. Jurjus, P. Damiani, S. Nobile, F. Carini and A. Leone. <i>Helicobacter pylori</i> and Barrett's esophagus: a protective factor or a real cause?	9
MC. Di Tommaso Morrison, F. Carinci, G. Lessiani, E. Spinaz, S.K. Kritas, G. Ronconi, Al. Caraffa and P. Conti. Fibromyalgia and bipolar disorder: extent of comorbidity and therapeutic implications	17
C. Conti, Al. Caraffa, S.K. Kritas, G. Ronconi and M. Fulcheri. Alexithymia and its relationships with inflammatory response mediated by IL-1 family members	21
<i>Original articles</i>	
L.J. Hu, W.Y. Ren, Q.J. Shen, H.Y. Ji and L. Zhu. Inflammation in lung after acute myocardial infarction is induced by dendritic cell-mediated immune response	29
C. Pan, Y. Wang, M-K. Qiu, S-Q. Wang, Y-B. Liu, Z-W. Quan and J-M. Ou. Knockdown of HMGB1 inhibits cell proliferation and induces apoptosis in hemangioma via downregulation of AKT pathway	41
L-X. Fu, Q-W. Lian, J-D. Pan, Z-L. Xu, T-M. Zhou and B. Ye. JAK2 tyrosine kinase inhibitor AG490 suppresses cell growth and invasion of gallbladder cancer cells via inhibition of JAK2/STAT3 signaling	51
S. Marinari, V. De Iulius, V. Dadorante, S. Colella, A. Marino, A. Nunziata, V. Flati, M. Caruso, A. Pennelli, F. De Benedetto, S. Matera, S. Capodifoglio, S. Martinotti, S. Caputi and E. Toniato. Cytokine modulation in patients with idiopathic pulmonary fibrosis undergoing treatment with steroids, immunosuppressants, and IFN- γ 1b	59
<i>Letters to the Editor</i>	
Q. Liu, J.J. Wang, H.Y. Yan, Y.Q. Wang, C.W. Qin and M.L. Li. Safety and pharmacodynamic mechanism of ropivacaine lumbar anesthesia in cesarean section	71
S.R. Rao, R. Subbarayan and D.M. Giriya. Cyclosporine-A augments endoplasmic reticulum stress markers and expression of matrix protein mRNA	77
A. Bryja, M. Dyszkiewicz-Konwińska, J. Budna, W. Kranc, A. Chachula, S. Borys, S. Ciesiółka, J. Sokalski, M. Prylinski, D. Bukowska, P. Antosik, M. Bruska, M. Nowicki, M. Zabel and B. Kempisty. The biomedical aspects of oral mucosal epithelial cell culture in mammals	81
A. Socha-Banasiak, S. Pierzynowski, J. Woliński, D. Grujic, M. Boryczka, P. Grzesiak, P. Szczurek, E. Czkwianianc, B. Westrom and K. Goncharova. The pig as a model for premature infants - the importance of immunoglobulin supplementation for growth and development	87
M. Li, R. Li, Q. Jin, J. Pang and Z. Xu. The efficacy of proanthocyanidins and secnidazole in the treatment of chronic periodontitis after scaling and root planing therapy	93
C. Qian, GM. Wan, PS. Yan, WZ. Wang, SZ. Liang and Y. Dong Correlation between Cystatin C and retinopathy of type-two diabetes mellitus patients	99
A. Bruzda-Zwiech, M. Konieczka, A. Hilt, M. Daszkowska, J. Grzegorzczak and J. Szczepańska. Salivary cortisol, alpha-amylase and immunoglobulin A responses to a morning session of basketball or volleyball training in boys aged 14–18 years	105
S.Q. Wu, S.Z. Ma, C. Zhang, D.Q. Li and C.Z. Gao. Effects of human parathyroid hormone on bone morphogenetic protein signal pathway following spinal fusion in diabetic rats	111
Y. Wang, J. Zhang and S.J. Zhang. Effects of anesthesia using propofol and etomidate on T lymphocyte subpopulation of infectious shock patients in perioperative period	119
K. Sznurkowska, A. Żawrocki, J. Sznurkowski, E. Iżycka-Świeszevska, P. Landowski, A. Szlagaty-Sidorkiewicz, K. Plata-Nazar and B. Kamińska. Indoleamine 2,3-dioxygenase and regulatory T cells in intestinal mucosa in children with inflammatory bowel disease	125
D. Wang, LH. Lai, P. Yan and PS. Dong. Correlation between blood asymmetric dimethylarginine level and the complications of patients with cardiovascular diseases	133
L.W. Qiao, Q.S. Qu and X. Jiang. Evaluation of tolerance and safety of conversion from mycophenolate mofetil to enteric-coated mycophenolic acid in renal transplant recipients ...	141
D.O. Martins, F.M. Santos, L.R.G. Britto, J.B.D. Lemos and M. Chacur. Neurochemical effects of photobiostimulation in the trigeminal ganglion after inferior alveolar nerve injury	147
F. Javed, S.V. Kellesarian and G.E. Romanos. Role of diode lasers in oro-facial pain management	153
L. Cheng, X. He, Y. Che, H. Che and M. Qian. Osteogenesis-promoting activity of composites SBA-15 mesoporous particles carrying oxytocin <i>in vitro</i> and <i>in vivo</i>	157
E. Hao, J. Yu, S. Xie, W. Zhang and G. Wang. Up-regulation of miR-888-5p in hepatocellular carcinoma cell lines and its effect on malignant characteristics of cells	163
X-L. Liu, X. Zhao, C. Wang, S-J. Gao and Y-H. Tan. Decitabine treatment for acute myeloid leukemia relapse after allogeneic hematopoietic stem cell transplantation	171
YL. Li, LC. Zhai, JH. Ji and LY. Liu. Detection of combined procalcitonin and C-reactive protein applied in the diagnosis of bacterial infections	177
J. Yuan, B. Jiang, K. Li, W. Shen and J-L. Tang. Beneficial effects of protein hydrolysates in exercise and sports nutrition	183
XP. Wang, B. Wang, P. Hou, R. Li and JB. Gao. Screening and comparison of polychromatic and monochromatic image reconstruction of abdominal arterial energy spectrum CT ..	189
M. Barbagallo, G. Vitaliti, F. Greco P. Pavone, N. Matin, G. Panta, R. Lubrano and R. Falsaperla. Idiopathic intracranial hypertension in a paediatric population: a retrospective observational study on epidemiology, symptoms and treatment	195
M. Gelardi, C. De Luca, S. Taliente, M.L. Fiorella, N. Quaranta, C. Russo, A. Ciofalo, A. Macchi, M. Mancini, P. Rosso, V. Seccia, F. Guagnini and G. Ciprandi. Adjuvant treatment with a symbiotic in patients with inflammatory non-allergic rhinitis	201
V. Galeandro, A. Notarnicola, A. Bianco, S. Tafuri, L. Russo, V. Pesce, B. Moretti and V. Petruzzella. <i>ACTN3/ACE</i> genotypes and mitochondrial genome in professional soccer players' performance	207
F. Bambini, A. Santarelli, A. Putignano, M. Procaccini, G. Orsini, L. Memè, D. Sartini, M. Emanuelli and L. Lo Muzio. Use of supercharged cover screw as static magnetic field generator for bone healing. 1 st part: <i>in vitro</i> enhancement of osteoblast-like cell differentiation	215
S. Negro, T. Boutsikou, D.D. Briana, M.L. Tataranno, M. Longini, F. Proietti, F. Bazzini, C. Dani, A. Malamitsi-Puchner, G. Buonocore and S. Perrone. Maternal obesity and perinatal oxidative stress: the strength of the association	221
G.E. Carpagnano, D. Lacedonia, M. Malerba, D. Martinelli, G. Cotugno and M.P. Foschino-Barbaro. Exhaled breath temperature measurement: influence of circadian rhythm	229
A. Goren, M. Kovacevic and T. Lotti. Melanin of the nipple areola complex	237
G.M. Abbate, A. Mangano, P. Sacerdote, G. Amodeo, G. Moschetti and L. Levrini. Substance P expression in the gingival tissue after upper third molar extraction: effect of ketoprofen, a preliminary study	239
G. Tomasello, M. Mazzola, A. Jurjus F. Cappello, F. Carini, P. Damiani, A. Gerges Geagea, M.N. Zeenny and A. Leone. The fingerprint of the human gastrointestinal tract microbiota: a hypothesis of molecular mapping	245
A. Notarnicola, G. Maccagnano, L. Moretti, S. Tafuri and B. Moretti. Cardiopathy and osteoporosis: the epidemiology in a region of Italy	251
L. Azzi, F. Carinci, S. Gabaglio, F. Cura, F. Croveri, L. Tettamanti, A. Tagliabue and S. Segato. <i>Helicobacter pylori</i> in periodontal pockets and saliva: a possible role in gastric infection relapses	257