

Curriculum Vitae

Personal

Name: Zoltán Bori
Date of birth: May 1, 1963
Place of birth: Budapest, Hungary
E-mail address: bori.zoltan@tf.hu
Family status: married (2 daughter)
Home address: Kastély köz 1, 2234 Maglód, Hungary

Education

1982-1987 Biology (M.Sc.)
Faculty of Science, Eötvös Lóránd University, Budapest
Language skill
English (B2)

Jobs

1987-2000 Molecular Genetics Research Group, Hungarian Academy of Sciences and Semmelweis University
2000-2007 Neurogenetics Laboratory, National Institute of Psychiatry and Neurology
2007- Institute of Sport Sciences, Faculty of Physical Education and Sport Sciences, Semmelweis University
Research Center for Molecular Exercise Science, Institute for Sports and Health Sciences, University of Physical Education

Recent Research area

Alzheimer's Disease, exercise, aging, oxidativ stress, animal and human studies

Publications

Enclosed
All publications: 42
Cumulative impact-factor: 64,281
Number of independent citations (MTMT): 331

Memberships

Hungarian Society of Sport Science

10 Apr 2020 Budapest

Zoltán Bori

List of Publications (Zoltán Bori)

Mitochondrial function after associating liver partition and portal vein ligation for staged hepatectomy in an experimental model.

Budai A, Horváth G, Tretter L, Radák Zs, Koltai E, Bori Z, Torma F, Lukáts Á, Röhlich P, Szijártó A, Fülöp A.

British J Surg. 2019 106:120-131.

Master athletes have higher miR-7, SIRT3 and SOD2 expression in skeletal muscle than age-matched sedentary controls.

Koltai E, Bori Z, Osváth P, Ihász F, Szablics p, Tóth G, Degens H, Rittweger J, Boldogh I, Radák, Zs.

Redox Biol. 2018. 19:46-51.

SIRT1 may play a crucial role in overload-induced hypertrophy of skeletal muscle.

Koltai E, Bori Z, Chabert C, Dubouchaud H, Naito H, Machida S, Davies KJ, Murlasits Zs, Fry AC, Boldogh I, Radák Zs.

J Physiol-London. 2017. 595:3361-3376.

Eating habits modulate short term memory and epigenetical regulation of brain derived neurotrophic factor in hippocampus of low- and high running capacity rats.

Torma F, Bori Z, Koltai E, Felszeghy K, Vác G, Koch L, Britton S, Boldogh I, Radák Zs.

Free Rad Biol Med. 2016. 96:S1 S34-S35.

Ács Z, Bori Z, Takeda M, Osváth P, Berkes I, Taylor AW, Yang H, Radák Zs.

High altitude exposure alters gene expression levels of DNA repair enzymes, and modulates fatty acid metabolism by SIRT4 induction in human skeletal muscle.

Resp Physiol Neurobiol. 2014. 196:33-37.

Influence of pulsing electromagnetic field therapy on resting blood pressure in aging adults.

Rikk J, Finn KJ, Liziczai I, Radák Z, Bori Z, Ihász F.

Electromagn Biol Med. 2013 32:165-72.

Long-term exercise treatment reduces oxidative stress in the hippocampus of aging rats.

Marosi K, Bori Z, Hart N, Sárga L, Koltai E, Radák Z, Nyakas C.

Neuroscience. 2012 226:21-8.

The effects of aging, physical training, and a single bout of exercise on mitochondrial protein expression in human skeletal muscle.

Bori Z, Zhao Z, Koltai E, Fatouros IG, Jamurtas AZ, Douroudos II, Terzis G, Chatzinikolaou A, Sovatzidis A, Draganidis D, Boldogh I, Radak Z.

Exp Gerontol. 2012 47:417-24.

Age-dependent changes in 8-oxoguanine-DNA glycosylase activity are modulated by adaptive responses to physical exercise in human skeletal muscle.

Radak Z, Bori Z, Koltai E, Fatouros IG, Jamurtas AZ, Douroudos II, Terzis G, Nikolaidis MG, Chatzinikolaou A, Sovatzidis A, Kumagai S, Naito H, Boldogh I.

Free Radic Biol Med. 2011 51:417-23.

Preliminary studies of the effects of vascular adhesion protein-1 inhibitors on experimental corneal neovascularization.

Enzsöly A, Dunkel P, Récsán Z, Gyorffy H, Tóth J, Marics G, Bori Z, Tóth M, Zelkó R, Di Paolo ML, Mátyus P, Németh J.

J Neural Transm. 2011 118:1065-9.

Denes L, Bori Z, Csonka E, Entz L, Nagy Z. Reverse regulation of endothelial cells and myointimal hyperplasia on cell proliferation by a heatshock protein-coinducer after hypoxia. Stroke. 2008 39:1022-4.

Gál A, Szilágyi G, Wappler EA, Bori Z, Skopál J, Nagy Z. (2007) Bcl-2 and Bcl-XL genes therapy increases plasticity and cell cycle genes expression after hypoxia in PC12 cells. 16th European Stroke Congress, Cerebrovascular Diseases. 23, Suppl. 2: 59.

Nagy Z, Bori Z, Gál A, Wappler E. (2007) Új célok az agyi ischaemia gyógyszeres kezelésében, Orvostudományok, 2007. LXXXII évf. 1. szám 11-18.

Dénes L, Gál A, Szilágyi G, Bori Z, Miklya I, Nagy Z. (2006) Pharmacological attenuation of apoptosis of human brain capillary endothelial cell by (-)BAP in a model of hypoxia/reoxygenation. 15th European Stroke Congress, Cerebrovascular Diseases. 21, Suppl. 4: 83.

Dénes L, Bori Z, Szilágyi G, Gál A, Nagy Z. (2005) A new neuroprotective drug candidate prevents cell injury induced by hypoxia/reoxygenation (by Benzofuran-propilaminopentan/BPAP), 14th European Stroke Congress, Cerebrovascular Diseases, 19, Suppl. 2.

Denes L, Szilágyi G, Gál A, Bori Z, Nagy Z. Cytoprotective effect of two synthetic enhancer substances, (-)-BPAP and (-)-deprenyl, on human brain capillary endothelial cells and rat PC12 cells. Life Sci. 2006 79:1034-9.

Simon L, Szilágyi G, Bori Z, Telek G, Magyar K, Nagy Z. Low dose (-)deprenyl is cytoprotective: it maintains mitochondrial membrane potential and eliminates oxygen radicals. Life Sci. 2005 78:225-31.

Nagy Z, Vastag M, Kolev K, Bori Z, Karádi I, Skopál J. Human cerebral microvessel endothelial cell culture as a model system to study the blood-brain interface in ischemic/hypoxic conditions. Cell Mol Neurobiol. 2005 25:201-10.

Major O, Szeifert GT, Fazekas I, Vitanovics D, Csonka E, Kocsis B, Bori Z, Kemeny AA, Nagy Z. Effect of a single high-dose gamma irradiation on cultured cells in human cerebral arteriovenous malformation. J Neurosurg. 2002 97(5 Suppl):459-63.

Nagy Z, Simon L, Bori Z. [Regulatory mechanisms in focal cerebral ischemia. New possibilities in neuroprotective therapy]. *Ideggyogy Sz.* 2002 55:73-85.

Simon L, Szilágyi G, Bori Z, Orbay P, Nagy Z. (-)-D-Deprenyl attenuates apoptosis in experimental brain ischaemia. *Eur J Pharmacol.* 2001 430:235-41.

Speer G, Dworak O, Cseh K, Bori Z, Salamon D, Török I, Winkler G, Vargha P, Nagy Z, Takács I, Kucsera M, Lakatos P. Vitamin D receptor gene BsmI polymorphism correlates with erbB-2/HER-2 expression in human rectal cancer. *Oncology.* 2000 58:242-7.

Takacs I, E. Bajnok, Z. Nagy, G. Speer, M. Kucsera, L. Kiss, Z. Bori, C. Horvath, P. Lakatos: Lack of association between IL-1RA gene polymorphism and bone density in hungarian postmenopausal women. *Osteoporosis International* 11 (S2): S149, 2000

Takács I, Bajnok É, Nagy Z, Speer G, Bori Z, Kucsera M, Horváth C, Kiss L, Lakatos P: Az interleukin -1-receptor antagonist protein génpolimorfizmus és a csont ásványianyag-tartalom összefüggésének vizsgálata. *Magyar Belorvosi Archivum* 1999 LII(2):169-172.

Skopál J, Turbucz P, Vastag M, Bori Z, Pék M, deChâtel R, Nagy Z, Tóth M, Karádi I. Regulation of endothelin release from human brain microvessel endothelial cells. *J Cardiovasc Pharmacol.* 1998 31 Suppl 1:S370-2.

Turi A, Marcsek Z, Müllner N, Kucsera M, Bori Z. The activity of Na⁺/K⁺-ATPase and abundance of its mRNA are regulated in rat myometrium during pregnancy. *Biochem Biophys Res Commun.* 1992 188:1191-7.