

Biokémiai és Molekuláris Biológiai Intézet publikációi
2011-ben

1. Hyttinen, J.M.T., **Petrovski, G.**, Salminen, A., Kaarniranta, K.: 5'-Adenosine monophosphate-activated protein kinase: Mammalian target of rapamycin axis as therapeutic target for age-related macular degeneration.
Rejuv. Res. 14 (6), 651-660, 2011.
IF:3.826
2. Li, M., Gustchina, A., Matúz, K., **Tózsér, J.**, Namwong, S., Goldfarb, N.E., Dunn, B.M., Wlodawer, A.: Structural and biochemical characterization of the inhibitor complexes of xenotropic murine leukemia virus-related virus protease.
FEBS J. 278 (22), 4413-4424, 2011.
IF:3.79
3. **Meskó, B., Póliska, S., Nagy, L.**: Gene expression profiles in peripheral blood for the diagnosis of autoimmune diseases.
Trends Mol. Med. 17 (4), 223-233, 2011.
IF:10.355
4. **Fésüs, L., Demény, M.Á., Petrovski, G.**: Autophagy Shapes Inflammation.
Antioxid. Redox Signal. 14 (11), 2233-2243, 2011.
IF:8.456
5. Froen, R.C., Johnsen, E.O., **Petrovski, G., Berényi, E.**, Facskó, A., Berta, A., Nicolaissen, B., Moe, M.C.: Pigment epithelial cells isolated from human peripheral iridectomies have limited properties of retinal stem cells.
Acta Ophthalmol. 89 (8), 635-644, 2011.
IF:2.629
6. Balogh, Z., Fóris, G., Kónya, G., jr. Paragh, G., Köbling, T., Padra, J.T., **Sarang, Z.**, Paragh, G.: Obesity abrogates the concentration-dependent effect of leptin on endogenous cholesterol synthesis in human monocytes.
Immunobiology. 216 (3), 431-435, 2011.
IF:3.205
7. **Petrovski, G.**, Das, S., Juhász, B., Kertész, A., Tósaki, Á., Das, D.K.: Cardioprotection by endoplasmic reticulum stress-induced autophagy.
Antioxid. Redox Signal. 14 (11), 2191-2200, 2011.
IF:8.456
8. **Petrovski, G.**, Ayna, G., **Majai, G., Hodrea, J.**, Benkő, S., Mádi, A., **Fésüs, L.**: Phagocytosis of cells dying through autophagy induces inflammasome activation and IL-1 α release in human macrophages.
Autophagy. 7 (3), 321-330, 2011.
IF:7.453

9. Reynaud, E., **Aydemir, G., Rühl, R.**, Dangles, O., Caris-Veyrat, C.: Organic synthesis of new putative lycopene metabolites and preliminary investigation of their cell-signaling effects.
J. Agric. Food Chem. 59 (4), 1457-1463, 2011.
IF:2.823
10. Gouranton, E., Aydemir, G., Reynaud, E., Marcotorchino, J., Malezet, C., Caris-Veyrat, C., Blomhoff, R., Landrier, J.F., **Rühl, R.**: Apo-10'-lycopenoic acid impacts adipose tissue biology via the retinoic acid receptors.
Biochim. Biophys. Acta Mol. Cell Biol. Lipids. 1811 (12), 1105-1114, 2011.
IF:5.269
11. Austin, B.P., **Tózsér, J., Bagossi, P.**, Tropea, J.E., Waugh, D.S.: The substrate specificity of *Metarhizium anisopliae* and *Bos taurus* carboxypeptidases A: Insights into their use as tools for the removal of affinity tags.
Protein Expr. Purif. 77 (1), 53-61, 2011.
IF:1.587
12. **Petrovski, G.**, Berényi, E., Moe, M.C., Vajas, A., **Fésüs, L.**, Berta, A., Facskó, A.: Clearance of dying ARPE-19 cells by professional and nonprofessional phagocytes in vitro-implications for age-related macular degeneration (AMD).
Acta Ophthalmol. 89 (1), 30-34, 2011.
IF:2.629
13. **Király, R.**, Demény, M.Á., **Fésüs, L.**: Protein transamidation by transglutaminase 2 in cells: A disputed Ca²⁺-dependent action of a multifunctional protein.
FEBS J. 278 (24), 4717-4739, 2011.
IF:3.79
14. **Zahuczky, G., Kristóf, E., Majai, G., Fésüs, L.**: Differentiation and Glucocorticoid Regulated Apopto-Phagocytic Gene Expression Patterns in Human Macrophages. Role of Mertk in Enhanced Phagocytosis.
PLoS ONE. 6 (6), e21349, 2011.
IF:4.092
15. **Fésüs, L.**: Cellular biochemistry of the multifunctional transglutaminase 2: Challenging issues and novel concepts.
FEBS J. 278 (24), 4703, 2011.
IF:3.79
16. Weiss, K., **Mihály, J.**, Liebisch, G., Marosvölgyi, T., Schmitz, G., Decsi, T., **Rühl, R.**: Effect of synthetic ligands of PPAR α , β /delta, γ , RAR, RXR and LXR on the fatty acid composition of phospholipids in mice.
Lipids. 46 (11), 1013-1020, 2011.
IF:2.129

17. Weise, C., Hilt, K., Milovanovic, M., Ernst, D., **Rühl, R.**, Worm, M.: Inhibition of IgE production by docosahexaenoic acid is mediated by direct interference with STAT6 and NFkB pathway in human B cells.
J. Nutr. Biochem. 22 (3), 269-275, 2011.
IF:3.891
18. Flachs, P., **Rühl, R.**, Hensler, M., Janovska, P., Zouhar, P., Kus, V., Macek Jilkova, Z., Papp, E., Kuda, O., Svobodova, M., Rossmesl, M., Tsenov, G., Mohamed-Ali, V., Kopecky, J.: Synergistic induction of lipid catabolism and anti-inflammatory lipids in white fat of dietary obese mice in response to calorie restriction and n-3 fatty acids.
Diabetologia. 54 (10), 2626-2638, 2011.
IF:6.814
19. **Zahuczky, G., Kristóf, E.,** Majai, G., **Fésüs, L.**: Differentiation and glucocorticoid regulated apopto-phagocytic gene expression patterns in human macrophages: Role of mertk in enhanced phagocytosis.
PLoS One. 6 (6), e21349, 2011.
IF:4.092
20. Kis-Tóth, K., Hajdú, P., Kovácsné Bácskai, I., Szilágyi, O., Papp, F., **Szántó, A.**, Posta, E., Gogolák, P., Panyi, G., Rajnavölgyi, É.: Voltage-Gated Sodium Channel Nav1.7 Maintains the Membrane Potential and Regulates the Activation and Chemokine-Induced Migration of a Monocyte-Derived Dendritic Cell Subset.
J. Immunol. 187 (3), 1273-1280, 2011.
IF:5.788
21. **Brázda, P.,** Szekeres, T., Bravics, B., Tóth, K., Vámosi, G., **Nagy, L.**: Live-cell fluorescence correlation spectroscopy dissects the role of coregulator exchange and chromatin binding in retinoic acid receptor mobility.
J. Cell Sci. 124 (Pt 21), 3631-3642, 2011.
IF:6.111
22. Zavaczki, E., Jeney, V., Agarwal, A., Zarjou, A., **Oros, M.,** Katkó, M., Varga, Z., Balla, G., Balla, J.: Hydrogen sulfide inhibits the calcification and osteoblastic differentiation of vascular smooth muscle cells.
Kidney Int. 80 (7), 731-739, 2011.
IF:6.606
23. **Hodrea, J., Majai, G.,** Doró, Z., **Zahuczky, G.,** Pap, A., Rajnavölgyi, É., **Fésüs, L.**: The glucocorticoid dexamethasone programs human dendritic cells for enhanced phagocytosis of apoptotic neutrophils and inflammatory response.
J. Leukoc. Biol. "accepted for publication", 2011.
IF:4.992
24. Oberoi, J., Fairall, L., Watson, P.J., Yang, J., **Czimmerer, Z.,** Kampmann, T., Goult, B.T., Greenwood, J.A., Gooch, J.T., Kallenberger, B.C., **Nagy, L.,** Neuhaus, D., Schwabe, J.W.R.: Structural basis for the assembly of the SMRT/NCoR core transcriptional repression machinery.
Nat Struct Mol Biol. 18 (2), 177-184, 2011.

25. **Nakken, B., Varga, T., Szatmári, I., Széles, L., Gyöngyösi, A.,** Illarionov, P.A., **Dezső, B.,** Gogolák, P., Rajnavölgyi, É., **Nagy, L.:** Peroxisome proliferator-activated receptor [gamma]-regulated cathepsin D is required for lipid antigen presentation by dendritic cells. *J. Immunol.* 187 (1), 240-247, 2011.
IF:5.788
26. Gyetvai, B., Simonyi, Á., **Oros, M.,** Saito, M., Smiley, J., Vadász, C.: mGluR7 genetics and alcohol: Intersection yields clues for addiction. *Neurochem. Res.* 36 (6), 1087-1100, 2011.
IF:2.24
27. Heilman, J.M., Kemmann, E., Bonert, M., Chatterjee, A., Ragar, B., Beards, G.M., Iberri, D.J., Harvey, M., Thomas, B., Stomp, W., Martone, M.F., Lodge, D.J., Vondracek, A., de Wolff, J.F., Liber, C., Grover, S.C., Vickers, T.J., **Meskó, B.,** Laurent, M.R.: Wikipedia as a Key Tool for Global Public Health Promotion. *J. Med. Internet Res.* 13 (1), 1-12, 2011.
IF:4.409
28. **Mótyán, J.A.,** Fazekas, E., Mori, H., Svensson, B., Bagossi, P., Kandra, L., Gyémánt, G.: Transglycosylation by barley alpha-amylase 1. *J. Mol. Catal. B-Enzym.* 72 (3-4), 229-237, 2011.
IF:2.735
29. **Berényi, E.,** Benkő, I., Vámosi, G., Géresi, K., Tárkányi, I., Szegedi, I., Lukács, L., Juhász, I., Kiss, C., **Fésüs, L., Aradi, J.:** In vitro and in vivo activity of 4-thio-uridylylate against JY cells, a model for human acute lymphoid leukemia. *Biochem. Biophys. Res. Commun.* 410 (3), 682-687, 2011.
IF:2.484
30. Iacovino, M., Chong, D., **Szatmári, I.,** Hartweck, L., Rux, D., Caprioli, A., Cleaver, O., Kyba, M.: HoxA3 is an apical regulator of haemogenic endothelium. *Nat. Cell Biol.* 13 (1), 72-78, 2011.
IF:19.488
31. **Köröskényi, K.,** Duró, E., Pallai, A., **Sarang, Z.,** Kloor, D., Ucker, D.S., Beceiro, S., Castrillo, A., Chawla, A., Ledent, C.A., **Fésüs, L., Szondy, Z.:** Involvement of adenosine A2A receptors in engulfment-dependent apoptotic cell suppression of inflammation.. *J. Immunol.* 186 (12), 7144-7155, 2011.
IF:5.788
32. **Póliska, S.,** Csánky, E., **Szántó, A., Szatmári, I., Meskó, B., Széles, L., Dezső, B., Scholtz, B.,** Podani, J., Kilty, I., Takács, L., **Nagy, L.:** Chronic Obstructive Pulmonary Disease-Specific Gene Expression Signatures of Alveolar Macrophages as well as Peripheral Blood Monocytes Overlap and Correlate with Lung Function. *Respiration.* 81 (6), 499-510, 2011.
IF:2.258

33. **Varga, T., Czimmerer, Z., Nagy, L.:** PPARs are a unique set of fatty acid regulated transcription factors controlling both lipid metabolism and inflammation.
Biochim. Biophys. Acta Mol. Basis Dis. 1812 (8), 1007-1022, 2011.
IF:5.387
34. Mádi, A., **Majai, G.**, Koy, C., Vámosi, G., **Szántó, A.**, Glocker, M.O., **Fésüs, L.:** Altered sialylation on the cell-surface proteins of dexamethasone-treated human macrophages contributes to augmented uptake of apoptotic neutrophils.
Immunol. Lett. 135 (1-2), 88-95, 2011.
IF:2.526
35. Mora, K., Joshi, N., **Bálint, B.L.**, Ward, F.B., Elfick, A., French, C.E.: A pH-based biosensor for detection of arsenic in drinking water.
Anal. Bioanal. Chem. 400 (4), 1031-1039, 2011.
IF:3.778
36. **Sarang, Z., Köröskényi, K., Pallai, A., Duró, E.**, Melino, G., Griffin, M., **Fésüs, L., Szondy, Z.:** Transglutaminase 2 null macrophages respond to lipopolysaccharide stimulation by elevated proinflammatory cytokine production due to an enhanced [alfa](v)[béta](3) integrin-induced Src tyrosine kinase signaling.
Immunol. Lett. 138 (1), 71-78, 2011.
IF:2.526
37. Tóth, K.Á., **Sarang, Z.**, Scholtz, B., Brázda, P., Ghyselinck, N., Chambon, P., **Fésüs, L., Szondy, Z.:** Retinoids enhance glucocorticoid-induced apoptosis of T cells by facilitating glucocorticoid receptor-mediated transcription.
Cell Death Differ. 18 (5), 783-792, 2011.
IF:8.849
38. **Mihály, J.**, Gamlieli, A., Worm, M., **Rühl, R.:** Decreased retinoid concentration and retinoid signalling pathways in human atopic dermatitis.
Exp. Dermatol. 20 (4), 326-330, 2011.
IF:3.543
39. **Mótyán, J.A.**, Gyémánt, G., Harangi, J., **Bagossi, P.:** Computer-aided subsite mapping of alpha-amylases.
Carbohydr. Res. 346 (3), 410-415, 2011.
IF:2.332
- Könyvrészletek (2)
40. **Szondy, Z., Korponay-Szabó, I., Király, R., Fésüs, L.:** Transglutaminase 2 dysfunctions in the development of autoimmune disorders: Celiac disease and TG2^{-/-} mouse.
In: *Advances in Enzymology and Related Areas of Molecular Biology* : Vol. 78. Ed.: Eric J. Toone, John Wiley & Sons Inc., Hoboken, New Jersey, 295-346, 2011.
41. **Simándi, Z., Nagy, L.:** Retinoid signaling is a context-dependent regulator of embryonic stem cells.
In: *Embryonic Stem Cells - Differentiation and Pluripotent Alternatives*. Ed.: Michael S. Kallos, InTech - Open Access Publisher, Rijeka, 55-78, 2011.

Egyéb közlemények (1)

42. Kollár, J., **Meskó, B.**: Revolution in Education: New Possibilities in Education of Medical Students.

Med. Teach. 33 (8), 685-686, 2011.

IF:1.217