Biokémiai és Molekuláris Biológiai Intézet publikációi
2017-ben

1. ***Szondy Z, Pallai A***: Transmembrane TNF-alpha reverse signaling leading to TGF-beta production is selectively activated by TNF targeting molecules: Therapeutic implications.
   Pharmacol Res. 2017 Jan;115:124-132. doi: 10.1016/j.phrs.2016.11.025. Review.
   PubMed: PMID: 27888159
   IF: 4.480 (2016)

2. *Serfőző Z, Nacsa K,* ***Veréb Z****, Battonyai I, Hegedűs C, Balogh C, Elekes K*: Nitric oxide-coupled signaling in odor elicited molecular events in the olfactory center of the terrestrial snail, Helix pomatia.
   Cell Signal. 2017 Jan;30:67-81. doi: 10.1016/j.cellsig.2016.11.017.
   PubMed: PMID: 27884734
   IF: 3.937 (2016)

3. *Gaál Z, Oláh É, Rejtő L,* ***Bálint BL****, Csernoch L*: Expression Levels of Warburg-Effect Related microRNAs Correlate with each Other and that of Histone Deacetylase Enzymes in Adult Hematological Malignancies with Emphasis on Acute Myeloid Leukemia.
   Pathol Oncol Res. 2017 Jan;23(1):207-216. doi: 10.1007/s12253-016-0151-9.
   PubMed: PMID: 27864740
   IF: 1.736 (2016)

4. ***Takacs E, Boto P****,* ***Simo E, Csuth TI****,* ***Toth BM,*** *Raveh-Amit H,* ***Pap A****, Kovács EG, Kobolak J, Benkö S, Dinnyes A,* ***Szatmari I***: Immunogenic Dendritic Cell Generation from Pluripotent Stem Cells by Ectopic Expression of Runx3.
   J Immunol. 2017 Jan 1;198(1):239-248.
   PubMed: PMID: 27852743
   IF: 4.856 (2016)

5. ***Miskei M, Antal C, Fuxreiter M:*** FuzDB: database of fuzzy complexes, a tool to develop stochastic structure-function relationships for protein complexes and higher-order assemblies.
   Nucleic Acids Res. 2017 Jan 4;45(D1):D228-D235. doi: 10.1093/nar/gkw1019.
   PubMed: PMID: 27794553
   IF: 10.162 (2016)

6. *Landrier JF,* ***Kasiri E****, Karkeni E,* ***Mihály J, Béke G, Weiss K, Lucas R, Aydemir G****, Salles J, Walrand S, de Lera AR,* ***Rühl R***: Reduced adiponectin expression after high-fat diet is associated with selective up-regulation of ALDH1A1 and further retinoic acid receptor signaling in adipose tissue.

FASEB J. 2017 Jan;31(1):203-211. doi: 10.1096/fj.201600263RR. Faseb J Epub ahead of print (2016)2016.
PubMed: PMID: 27729412
IF: 5.498 (2016)

7. *Virga J, Bognár L, Hortobágyi T, Zahuczky G,* ***Csősz É, Kalló G****, Tóth J, Hutóczki G, Reményi-Puskár J, Steiner L, Klekner A*: Prognostic Role of the Expression of Invasion-Related Molecules in Glioblastoma.
J Neurol Surg A Cent Eur Neurosurg. 2017 Jan;78(1):12-19. doi: 10.1055/s-0036-1584920. PubMed: PMID: 27529670
IF: 0.726 (2016)

8. ***Csősz É, Deák E, Kalló G****, Csutak A,* ***Tőzsér J***: Diabetic retinopathy: Proteomic approaches to help the differential diagnosis and to understand the underlying molecular mechanisms.
J Proteomics. 2017 Jan 6;150:351-358. doi: 10.1016/j.jprot.2016.06.034.
PubMed: PMID: 27373871
IF: 3.914 (2016)

9. ***Kiss M, Czimmerer Z, Nagy G,*** *Bieniasz-Krzywiec P, Ehling M,* ***Pap A, Poliska S, Boto P,*** *Tzerpos P,* ***Horvath A, Kolostyak Z,*** *Daniel B,* ***Szatmari I,*** *Mazzone M,* ***Nagy L****:* Retinoid X receptor suppresses a metastasis-promoting transcriptional program in myeloid cells via a ligand-insensitive mechanism.
Proc Natl Acad Sci U S A. 2017 Sep 18. pii: 201700785. doi:10.1073/pnas.1700785114. [Epub ahead of print] PubMed: PMID: 28923935
IF: 9.661 (2016)

10. *Bakti F, Király A, Orosz E,* ***Miskei M****, Emri T, Leiter É, Pócsi I:* Study on the glutathione metabolism of the filamentous fungus Aspergillus nidulans.
Acta Microbiol Immunol Hung. 2017 Sep 1;64(3):255-272.
doi: 10.1556/030.64.2017.003. Epub 2017 Mar 6. PubMed: PMID: 28263103
IF: 0.921 (2016)

11. *Rentka A,* ***Koroskenyi K****, Harsfalvi J, Szekanecz Z, Szucs G, Szodoray P, Kemeny-Beke A:* Evaluation of commonly used tear sampling methods and their relevance in subsequent biochemical analysis.
Ann Clin Biochem. 2017 Sep;54(5):521-529. doi: 10.1177/0004563217695843. Epub 2017 Jun 28. PubMed: PMID: 28193107
IF: 2.024 (2016)

12. ***Szondy Z, Korponay-Szabó I, Király R, Sarang Z****, Tsay GJ:* Transglutaminase 2 in human diseases.
Biomedicine (Taipei). 2017 Sep;7(3):15. doi: 10.1051/bmdcn/2017070315. Epub 2017 Aug 25. PubMed: PMID: 28840829

IF: 0.148 (2016)

13. ***Miskei M, Gregus A, Sharma R, Duro N, Zsolyomi F, Fuxreiter M.:*** Fuzziness enables context dependence of protein interactions.
FEBS Lett. 2017 Sep;591(17):2682-2695. doi: 10.1002/1873-3468.12762. Epub 2017 Aug 20. PubMed: PMID: 28762260
IF: 3.623 (2016)

14. ***Ráki M,*** *Dahal-Koirala S, Yu H,* ***Korponay-Szabó IR****, Gyimesi J, Castillejo G, Jahnsen J, Qiao SW, Sollid LM:* Similar Responses of Intestinal T Cells From Untreated Children and Adults With Celiac Disease to Deamidated Gluten Epitopes.
Gastroenterology. 2017 Sep;153(3):787-798.e4. doi: 10.1053/j.gastro.2017.05.016. Epub 2017 May 20. PubMed: PMID: 28535873
IF: 18.392 (2016)

15. ***Patsalos A, Pap A, Varga T****, Trencsenyi G, Contreras GA, Garai I, Papp Z, Dezso B, Pintye E,* ***Nagy L*****:** In situ macrophage phenotypic transition is affected by altered cellular composition prior to acute sterile muscle injury.
J Physiol. 2017 Sep 1;595(17):5815-5842. doi: 10.1113/JP274361. Epub 2017 Aug 8. PubMed: PMID: 28714082
IF: 2.075 (2016)

16. ***Horváth J,*** *Szabó A, Tar I, Dezső B, Kiss C, Márton I,* ***Scholtz B***: Oral Health May Affect the Performance of mRNA-Based Saliva Biomarkers for Oral Squamous Cell Cancer.
Pathol Oncol Res. 2017 Aug 31. doi: 10.1007/s12253-017-0296-1. [Epub ahead of print] PubMed: PMID: 28861772
IF: 1.736 (2016)

17. ***Hetey S, Boros-Oláh B, Kuik-Rózsa T, Li Q,*** *Karányi Z, Szabó Z, Roszik J, Szalóki N, Vámosi G, Tóth K,* ***Székvölgyi L***: Biophysical characterization of histone H3.3 K27M point mutation.
Biochem Biophys Res Commun. 2017 Aug 26;490(3):868-875. doi: 10.1016/j.bbrc.2017.06.133. Epub 2017 Jun 21. PubMed: PMID: 28647357
IF: 2.466 (2016)

18. ***Márkus B****, Szabó K, Pfliegler WP, Petrényi K, Boros E, Pócsi I,* ***Tőzsér J, Csősz É****, Dombrádi V:* Proteomic analysis of protein phosphatase Z1 from Candida albicans.
PLoS One. 2017 Aug 24;12(8):e0183176. doi: 10.1371/journal.pone.0183176. eCollection 2017. PubMed: PMID: 28837603
IF: 2.806 (2016)

19. ***Szondy Z, Sarang Z, Kiss B, Garabuczi É, Köröskényi K****:* Anti-inflammatory Mechanisms Triggered by Apoptotic Cells during Their Clearance.
Front Immunol. 2017 Aug 2;8:909. doi: 10.3389/fimmu.2017.00909. eCollection 2017. PubMed: PMID: 28824635
IF: 6.429 (2016)

20. ***Simandi Z, Horvath A, Cuaranta-Monroy I****, Sauer S, Deleuze JF,* ***Nagy L****:* RXR heterodimers orchestrate transcriptional control of neurogenesis and cell fate specification.
Mol Cell Endocrinol. 2017 Aug 2. pii: S0303-7207(17)30413-6. doi: 10.1016/j.mce.2017.07.033. [Epub ahead of print] PubMed: PMID: 28778663
IF: 3.754 (2016)

21. *Virga J, Szemcsák CD, Reményi-Puskár J, Tóth J, Hortobágyi T,* ***Csősz É****, Zahuczky G, Szivos L, Bognár L, Klekner A:* Differences in Extracellular Matrix Composition and its Role in Invasion in Primary and Secondary Intracerebral Malignancies.
Anticancer Res. 2017 Aug;37(8):4119-4126. DOI: 10.21873/anticanres.11799 PubMed: PMID: 28739696
IF: 1.937 (2016)

22. ***Mádi A, Cuaranta-Monroy I, Lénárt K, Pap A****, Mezei ZA,* ***Kristóf E,*** *Oláh A, Vámosi G, Bacsó Z, Bai P,* ***Fésüs L****:* Browning deficiency and low mobilization of fatty acids in gonadal white adipose tissue leads to decreased cold-tolerance of transglutaminase 2 knock-out mice.
Biochim Biophys Acta. 2017 Aug 1;1862(12):1575-1586. doi: 10.1016/j.bbalip.2017.07.014. [Epub ahead of print] PubMed: PMID: 28774822
IF: 5.547 (2016)

23. *Hegyi B, Horváth B, Váczi K,* ***Gönczi M****, Kistamás K, Ruzsnavszky F, Veress R, Izu LT, Chen-Izu Y, Bányász T, Magyar J, Csernoch L, Nánási PP, Szentandrássy N:* Ca2+-activated Cl- current is antiarrhythmic by reducing both spatial and temporal heterogeneity of cardiac repolarization.
J Mol Cell Cardiol. 2017 Aug;109:27-37. doi: 10.1016/j.yjmcc.2017.06.014. Epub 2017 Jun 29. PubMed: PMID: 28668303
IF: 5.680 (2016)

24. *Sebestyén F,* ***Póliska S****, Rácz R, Bereczki J, Lénárt K, Barta Z, Lendvai ÁZ, Tökölyi J:* Insulin/IGF Signaling and Life History Traits in Response to Food Availability and Perceived Density in the Cnidarian Hydra vulgaris.
Zoolog Sci. 2017 Aug;34(4):318-325. doi: 10.2108/zs160171.
PubMed: PMID: 28770685
IF: 0.755 (2016)

25. ***Czimmerer Z, Nagy ZS, Nagy G, Horvath A, Silye-Cseh T, Kriston A, Jonas D****, Sauer S, Steiner L, Daniel B, Deleuze JF,* ***Nagy L****:* Extensive and functional overlap of the STAT6 and RXR cistromes in the active enhancer repertoire of human CD14+ monocyte derived differentiating macrophages.
Mol Cell Endocrinol. 2017 Jul 31. pii: S0303-7207(17)30414-8. doi: 10.1016/j.mce.2017.07.034. [Epub ahead of print] PubMed: PMID: 28774779
IF: 3.754 (2016)

26. *Kecskemeti A, Nagy C,* ***Csosz E, Kallo G****, Gaspar A:* The application of a microfluidic reactor including spontaneously adsorbed trypsin for rapid protein digestion of human tear samples.
Proteomics Clin Appl. 2017 Jul 8. doi: 10.1002/prca.201700055. [Epub ahead of print] PubMed: PMID: 28688207
IF: 3.814 (2016)

27. *Gal A, Balicza P, Weaver D, Naghdi S, Joseph SK, Várnai P, Gyuris T,* ***Horváth A, Nagy L,*** *Seifert EL, Molnar MJ, Hajnóczky G:* MSTO1 is a cytoplasmic pro-mitochondrial fusion protein, whose mutation induces myopathy and ataxia in humans.
EMBO Mol Med. 2017 Jul;9(7):967-984. doi: 10.15252/emmm.201607058. PubMed: PMID: 28554942
IF: 9.249 (2016)

28. *Roszik J, Fenyőfalvi G,* ***Halász L****, Karányi Z,* ***Székvölgyi L****:* In Silico Restriction Enzyme Digests to Minimize Mapping Bias in Genomic Sequencing.
Mol Ther Methods Clin Dev. 2017 Jun 24;6:66-67. doi: 10.1016/j.omtm.2017.06.003. eCollection 2017 Sep 15. PubMed: PMID: 28695155
IF: 2.610 (2016)

29. *Qin Y, Ekmekcioglu S, Forget MA,* ***Szekvolgyi L****, Hwu P, Grimm EA, Jazaeri AA, Roszik J:* Cervical Cancer Neoantigen Landscape and Immune Activity is Associated with Human Papillomavirus Master Regulators.
Front Immunol. 2017 Jun 16;8:689. doi: 10.3389/fimmu.2017.00689. eCollection 2017. PubMed: PMID: 28670312
IF: 6.429 (2016)

30. *Bermudez B, Dahl TB, Medina I, Groeneweg M, Holm S, Montserrat-de la Paz S, Rousch M, Otten J, Herias V, Varela LM, Ranheim T, Yndestad A, Ortega-Gomez A, Abia R,* ***Nagy L,*** *Aukrust P, Muriana FJG, Halvorsen B, Biessen EAL:* Leukocyte Overexpression of Intracellular NAMPT Attenuates Atherosclerosis by Regulating PPARγ-Dependent Monocyte Differentiation and Function.
Arterioscler Thromb Vasc Biol. 2017 Jun;37(6):1157-1167. doi: 10.1161/ATVBAHA.116.308187. Epub 2017 Apr 13. PubMed: PMID: 28408371
IF: 6.607 (2016)

31. ***Halász L, Karányi Z, Boros-Oláh B, Kuik-Rózsa T, Sipos É, Nagy É, Mosolygó-L Á,*** *Mázló A, Rajnavölgyi É, Halmos G,* ***Székvölgyi L:*** RNA-DNA hybrid (R-loop) immunoprecipitation mapping: an analytical workflow to evaluate inherent biases. Genome Res. 2017 Jun;27(6):1063-1073. doi: 10.1101/gr.219394.116. Epub 2017 Mar 24. PubMed: PMID: 28341774
IF: 11.922 (2016)

32. *Gulyas G,* ***Csosz E,*** *Prokisch J, Javor A, Mezes M, Erdelyi M, Balogh K, Janaky T, Szabo Z, Simon A, Czegledi L:* Effect of nano-sized, elemental selenium supplement on the proteome of chicken liver.
J Anim Physiol Anim Nutr (Berl). 2017 Jun;101(3):502-510. doi: 10.1111/jpn.12459. Epub 2016 Feb 22. PubMed: PMID: 26898152
IF: 1.244 (2016)

33. *Budai MM,* ***Tőzsér J****, Benkő S:* Different dynamics of NLRP3 inflammasome-mediated IL-1β production in GM-CSF- and M-CSF-differentiated human macrophages.
J Leukoc Biol. 2017 Jun;101(6):1335-1347. doi: 10.1189/jlb.3A0716-300RR. Epub 2017 Feb 23. PubMed: PMID: 28232386
IF: 4.018 (2016)

34. ***Csősz É, Lábiscsák P, Kalló G, Márkus B****, Emri M, Szabó A, Tar I,* ***Tőzsér J,*** *Kiss C, Márton I:* Proteomics investigation of OSCC-specific salivary biomarkers in a Hungarian population highlights the importance of identification of population-tailored biomarkers.
PLoS One. 2017 May 18;12(5):e0177282. doi: 10.1371/journal.pone.0177282. eCollection 2017. PubMed: PMID: 28545132
IF: 2.806 (2016)

35. *Kecskemeti A, Bako J, Csarnovics I,* ***Csosz E****, Gaspar A:* Development of an enzymatic reactor applying spontaneously adsorbed trypsin on the surface of a PDMS microfluidic device.
Anal Bioanal Chem. 2017 May;409(14):3573-3585. doi: 10.1007/s00216-017-0295-9. Epub 2017 Mar 15. PubMed: PMID: 28299417
IF: 3.431 (2016)

36. ***Bojcsuk D, Nagy G, Balint BL****:* Inducible super-enhancers are organized based on canonical signal-specific transcription factor binding elements.
Nucleic Acids Res. 2017 Apr 20;45(7):3693-3706. doi: 10.1093/nar/gkw1283. PubMed: PMID: 27994038
IF: 10.162 (2016)

37. *Sipos E, Hegyi K, Treszl A, Steiber Z, Mehes G, Dobos N, Fodor K, Olah G,* ***Szekvolgyi L****, Schally AV, Halmos G:* Concurrence of chromosome 3 and 4 aberrations in human uveal melanoma.
Oncol Rep. 2017 Apr;37(4):1927-1934. doi: 10.3892/or.2017.5496. Epub 2017 Mar 8. PubMed: PMID: 28350068
IF: 2.662 (2016)

38. *Chen JQ, Papp G,* ***Póliska S****, Szabó K, Tarr T,* ***Bálint BL****, Szodoray P, Zeher M:* MicroRNA expression profiles identify disease-specific alterations in systemic lupus erythematosus and primary Sjögren's syndrome.
PLoS One. 2017 Mar 24;12(3):e0174585. doi: 10.1371/journal.pone.0174585. eCollection 2017. PubMed: PMID: 28339495
IF: 2.806 (2016)

39. *Sormanni P, Piovesan D, Heller GT, Bonomi M, Kukic P, Camilloni C,* ***Fuxreiter M,*** *Dosztanyi Z, Pappu RV, Babu MM, Longhi S, Tompa P, Dunker AK, Uversky VN, Tosatto SC, Vendruscolo M:* Simultaneous quantification of protein order and disorder.
Nat Chem Biol. 2017 Mar 22;13(4):339-342. doi: 10.1038/nchembio.2331. PubMed: PMID: 28328918
IF: 15.066 (2016)

40. ***Thangaraju K, Király R, Mótyán JA, Ambrus VA, Fuxreiter M, Fésüs L.***: Computational analyses of the effect of novel amino acid clusters of human transglutaminase 2 on its structure and function.
Amino Acids. 2017 Mar;49(3):605-614. doi: 10.1007/s00726-016-2330-0. Epub 2016 Sep 14. PubMed: PMID: 27627884
IF: 3.173 (2016)

41. ***Sándor K, Pallai A, Duró E****, Legendre P, Couillin I,* ***Sághy T, Szondy Z.***: Adenosine produced from adenine nucleotides through an interaction between apoptotic cells and engulfing macrophages contributes to the appearance of transglutaminase 2 in dying thymocytes.
Amino Acids. 2017 Mar;49(3):671-681. doi: 10.1007/s00726-016-2257-5. Epub 2016 May 28. PubMed: PMID: 27236567
IF: 3.173 (2016)

42. ***Joós G****, Jákim J,* ***Kiss B****, Szamosi R, Papp T, Felszeghy S,* ***Sághy T****, Nagy G,* ***Szondy Z:*** Involvement of adenosine A3 receptors in the chemotactic navigation of macrophages towards apoptotic cells.
Immunol Lett. 2017 Mar;183:62-72. doi: 10.1016/j.imlet.2017.02.002. Epub 2017 Feb 8. PubMed: PMID: 28188820
IF: 2.860 (2016)

43. ***Thangaraju K, Király R, Demény MA, András Mótyán J, Fuxreiter M, Fésüs L****:* Genomic variants reveal differential evolutionary constraints on human transglutaminases and point towards unrecognized significance of transglutaminase 2. PLoS One. 2017 Mar 1;12(3):e0172189. doi: 10.1371/journal.pone.0172189. eCollection 2017. PubMed: PMID: 28248968
IF: 2.806 (2016)

44. *de Vries RP, Riley R, Wiebenga A, Aguilar-Osorio G, Amillis S, Uchima CA, Anderluh G, Asadollahi M, Askin M, Barry K, Battaglia E, Bayram Ö, Benocci T, Braus-Stromeyer SA, Caldana C, Cánovas D, Cerqueira GC, Chen F, Chen W, Choi C, Clum A, Dos Santos RA, Damásio AR, Diallinas G, Emri T, Fekete E, Flipphi M, Freyberg S, Gallo A, Gournas C, Habgood R, Hainaut M, Harispe ML, Henrissat B, Hildén KS, Hope R, Hossain A, Karabika E, Karaffa L, Karányi Z, Kraševec N, Kuo A, Kusch H, LaButti K, Lagendijk EL, Lapidus A, Levasseur A, Lindquist E, Lipzen A, Logrieco AF, MacCabe A, Mäkelä MR, Malavazi I, Melin P, Meyer V, Mielnichuk N,* ***Miskei M****, Molnár ÁP, Mulé G, Ngan CY, Orejas M, Orosz E, Ouedraogo JP, Overkamp KM, Park HS, Perrone G, Piumi F, Punt PJ, Ram AF, Ramón A, Rauscher S, Record E, Riaño-Pachón DM, Robert V, Röhrig J, Ruller R, Salamov A, Salih NS, Samson RA, Sándor E, Sanguinetti M, Schütze T, Sepčić K, Shelest E, Sherlock G, Sophianopoulou V, Squina FM, Sun H, Susca A, Todd RB, Tsang A, Unkles SE, van de Wiele N, van Rossen-Uffink D, Oliveira JV, Vesth TC, Visser J, Yu JH, Zhou M, Andersen MR, Archer DB, Baker SE, Benoit I, Brakhage AA, Braus GH, Fischer R, Frisvad JC, Goldman GH, Houbraken J, Oakley B, Pócsi I, Scazzocchio C, Seiboth B, vanKuyk PA, Wortman J, Dyer PS, Grigoriev IV*: Comparative genomics reveals high biological diversity and specific adaptations in the industrially and medically important fungal genus Aspergillus.
Genome Biol. 2017 Feb 14;18(1):28. doi: 10.1186/s13059-017-1151-0.
PubMed: PMID: 28196534
IF: 11.908 (2016)

45. *Vető B,* ***Bojcsuk D****, Bacquet C, Kiss J, Sipeki S, Martin L, Buday L,* ***Bálint BL****, Arányi T:* The transcriptional activity of hepatocyte nuclear factor 4 alpha is inhibited via phosphorylation by ERK1/2.
PLoS One. 2017 Feb 14;12(2):e0172020. doi: 10.1371/journal.pone.0172020.
eCollection 2017. PubMed: PMID: 28196117
IF: 2.806 (2016)

46. ***Csősz É, Kalló G, Márkus B, Deák E****, Csutak A,* ***Tőzsér J.***: Quantitative body fluid proteomics in medicine - A focus on minimal invasiveness.
J Proteomics. 2017 Feb 5;153:30-43. doi: 10.1016/j.jprot.2016.08.009. Epub 2016 Aug 16. PubMed PMID: 27542507.
IF: 3.914 (2016)

47. *Virga J, Bognár L, Hortobágyi T, Zahuczky G,* ***Csősz É, Kalló G****, Tóth J, Hutóczki G, Reményi-Puskár J, Steiner L, Klekner A*: Tumor Grade versus Expression of Invasion-Related Molecules in Astrocytoma.

Pathol Oncol Res. 2017 Feb 4. doi: 10.1007/s12253-017-0194-6. [Epub ahead of print] PubMed: PMID: 28161812
IF: 1.736 (2016)

48. *Tarapcsák S, Szalóki G, Telbisz Á, Gyöngy Z,* ***Matúz K, Csősz É****, Nagy P, Holb IJ, Rühl R,* ***Nagy L****, Szabó G, Goda K:* Interactions of retinoids with the ABC transporters P-glycoprotein and Breast Cancer Resistance Protein.
Sci Rep. 2017 Feb 1;7:41376. doi: 10.1038/srep41376. PubMed: PMID: 28145501
IF: 4.259 (2016)

Összesített impakt faktor érték: 226.478 (2016)