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Personal Info:

Date of birth: 29.9.1988; Place of birth: Bratislava, Slovak republic; Nationality: Slovak; Foreign Languages: English, German

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Professional curriculum vitae:

Education

- 2008-2013 MSc, Biomedical Physics, Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovakia (Bachelor thesis: Paraoxonase and the effect of administering fenofibrates on its level)
- 2008-2013 MSc, Biomedical Physics, Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovakia (Diploma thesis: Prevention of Oxidative Modification of Proteins by Oils Containing Polyunsaturated Higher Carboxylic Acids)
- 2013-2017 PhD, Normal and Pathological physiology, Institute of Pathophysiology, Faculty of Medicine, Comenius University, Bratislava, Slovakia (Dissertation thesis: Immune activation of nucleic acids: A role in pregnancy complications)

Employment

- 2017- scientist, Institute of Molecular Biomedicine, Faculty of Medicine, Comenius University, Bratislava, Slovakia

Publication record

SCI citations (without self-citations): 87, h-index: 6

Homolova, J., Janovicova, L., Konecna, B., Vlkova, B., Celec, P., Tothova, L., & Babickova, J. (2020). Plasma Concentrations of Extracellular DNA in Acute Kidney Injury. *Diagnostics (Basel)*, 10(3). doi:10.3390/diagnostics10030152

Janovicova, L., Konecna, B., Vokalova, L., Laukova, L., Vlkova, B., & Celec, P. (2019). Sex, Age, and Bodyweight as Determinants of Extracellular DNA in the Plasma of Mice: A Cross-Sectional Study. *Int J Mol Sci*, 20(17). doi:10.3390/ijms20174163

Konecna, B., Radosinska, J., Kemenyova, P., & Repiska, G. (2020). Detection of disease-associated microRNAs -application for autism spectrum disorders. *Rev Neurosci*. doi:10.1515/revneuro-2020-0015

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Suchonova, M., Borbelyova, V., Renczes, E., Konecna, B., Vlkova, B., Hodosy, J., . . . Celec, P. (2019). Does the 2nd and 4th digit ratio reflect prenatal androgen exposure? *Bratisl Lek Listy*, 120(9), 703-710. doi:10.4149/BLL_2019_119

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Extracellular DNA as a Prognostic and Therapeutic Target in Mouse Colitis under DNase I Treatment.
Bábíčková J, Čonka J, Janovičová L, Boriš M, Konečná B, Gardlík R.
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Anti-cytokine therapy and plasma DNA in patients with rheumatoid arthritis.
Lauková L, Konečná B, Vlková B, Mlynáriková V, Celec P, Šteňová E.
Rheumatol Int. 2018 Aug;38(8):1449-1454. doi: 10.1007/s00296-018-4055-8. Epub 2018 May 23.

Immune activation by nucleic acids: A role in pregnancy complications.
Konečná B, Lauková L, Vlková B.
Scand J Immunol. 2018 Apr;87(4):e12651. doi: 10.1111/sji.12651. Review.

Is the DNA of placental origin packaged in exosomes isolated from plasma and serum of pregnant women?
Repiská G, Konečná B, Shelke GV, Lässer C, Vlková B, Minárik G.
Clin Chem Lab Med. 2018 May 24;56(6):e150-e153. doi: 10.1515/cclm-2017-0560.

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Lauková L, Konečná B, Bábíčková J, Wagnerová A, Melišková V, Vlková B, Celec P.
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Konečná B, Sysák R, Kacerovský M, Celec P, Vlková B.

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NETosis – Dr. Jekyll and Mr. Hyde in inflammation

Lauková L, Konečná B

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Fetal DNA does not induce preeclampsia-like symptoms when delivered in late pregnancy in the mouse.

Čonka J, Konečná B, Lauková L, Vlková B, Celec P.

Placenta. 2017 Apr;52:100-105. doi: 10.1016/j.placenta.2017.02.008. Epub 2017 Feb 9.

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Cvjetkovic A, Jang SC, Konečná B, Höög JL, Sihlbom C, Lässer C, Lötvall J.

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Konečná B, Borbélyová V, Celec P, Vlková B.

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Konečná B, Vlková B, Celec P.

Int J Mol Med. 2015 Feb;35(2):299-304. doi: 10.3892/ijmm.2014.2039. Epub 2014 Dec 15. Review.

Grants as principal Investigator

Comenius University Grants

UK/147/2015

Effects of nucleic acids and other substances on the development of preeclampsia symptoms in the animal model

Research stay

2015-2016 Krefting Research Centre, University of Gothenburg, Gothenburg, Sweden

October 2019-2020 Beth Israel Deaconess Medical Centre, Harvard University, Boston Massachusetts