

Paulína Belvončíková, MSc.

Personal info:

Date of birth: 25. 11. 1996

Place of birth: Banská Bystrica, Slovakia

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Professional curriculum vitae:

Education

- 2016-2019 BSc, Special Biology – Microbiology and Molecular Biotechnology, Faculty of Science, Masaryk University, Brno, Czech Republic
(Bachelor thesis: Human mycobiome and its health effects)
- 2019-2021 MSc, Microbiology, Faculty of Science, Masaryk University, Brno, Czech Republic
(Master thesis: Intestinal mycobiome in people with different diets)
- 2021- present PhD, Normal and Pathological Physiology, Institute of Molecular Biomedicine, Faculty of Medicine, Comenius University, Bratislava, Slovakia
(Dissertation thesis: Study of the Pathogenesis of Autoimmune Diseases using Fecal Microbiota Transplantation)

Employment

- 10 2020-05 2021 Molecular diagnostics, Covid-19 laboratory, Department of clinical microbiology, University Hospital Brno, Czech Republic
- 01 2021-06 2021 Laboratory assistant, Microbiome research group, Research Centre for Toxic Compounds in the Environment RECETOX, Faculty of Science, Masaryk University, Brno, Czech Republic

Internship

- 07 2018-09 2018 Student internship, Microbiome research group, Research Centre for Toxic Compounds in the Environment RECETOX, Faculty of Science, Masaryk University, Brno, Czech Republic
- 07 2019-08 2019 Student internship, Microbiome research group, Research Centre for Toxic Compounds in the Environment RECETOX, Faculty of Science, Masaryk University, Brno, Czech Republic

Courses

- 03 2022 Online Course - A Practical Introduction to NGS Data Analysis, ecSEQ Bioinformatics, Leipzig, Germany
- 04 2022 Metagenomics Course - Next Generation Sequencing Applied to Metagenomics, ETH, Zurich, Switzerland

Publication record

- 09 2022 Belvoncikova P, Maronek M, Gardlik R. Gut Dysbiosis and Fecal Microbiota Transplantation in Autoimmune Diseases. *International Journal of Molecular Sciences*. 2022; 23(18):10729. <https://doi.org/10.3390/ijms231810729>.
- 10 2022 Belvoncikova P, Splichalova P, Videnska P, Gardlik R. The Human Mycobiome: Colonization, Composition and the Role in Health and Disease. *Journal of Fungi*. 2022; 8(10):1046. <https://doi.org/10.3390/jof8101046>.
- 06 2023 Schuh BM, Macáková K, Feješ A, Groß T, Belvončíková P, Janko J, Juskanič D, Hollý S, Borbélyová V, Šteňová E, Pastorek M, Vlková B, Celec P. Sex differences in long-term effects of collagen-induced arthritis in middle-aged mice. *Front Physiol*. 2023 Jun 28;14:1195604. doi: 10.3389/fphys.2023.1195604. PMID: 37449011; PMCID: PMC10337783.
- 01 2024 Feješ A, Belvončíková P, Porcel Sanchis D, Borbélyová V, Celec P, Džunková M, Gardlík R. The Effect of Cross-Sex Fecal Microbiota Transplantation on Metabolism and Hormonal Status in Adult Rats. *Int J Mol Sci*. 2024 Jan 2;25(1):601. doi: 10.3390/ijms25010601. PMID: 38203771; PMCID: PMC10778742.

Publications according to WoS: 5, SCI citations: 28, h-index: 2

Conferences

- 02 2022 97th Physiological Days in Prague, Prague, Czech Republic
- 05 2022 17th Scientific Conference of PhD Students (ŠVOČ), Bratislava, Slovakia
- 10 2022 ESGCT 29th Congress in collaboration with BSGCT, Edinburgh, Scotland, GB
- 12 2022 X Bioinformatics and Genomics Symposium, Valencia, Spain
- 04 2023 18th Scientific Conference of PhD Students ŠVOČ, Bratislava, Slovakia
- 10 2023 4th International World of Microbiome conference, Sofia, Bulgaria