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She works as a scientific researcher at the Department of Laboratory Medicine, focusing on the field of virology. Previously, she worked as a scientific researcher at the department of virus ecology of the Institute of Virology, BMC, SAS, focusing on the study of influenza viruses, antiviral immunity and influenza-associated secondary bacterial infection.

**Doctoral degree:** 2019

### **Publications:**

1. Mackuľak T., Gál M., Špalková V., Fehér M., Briestenská K., Mikušová M., Tomčíková K., Tamáš M., Škulcová A. Wastewater-based epidemiology as an early warning system for the spreading of SARS-CoV-2 and its mutations in population. In: International Journal of Environmental Research and Public Health. - ISSN 1660-4601.- vol. 18, no. 11 (2021), art. no. 5629
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3. Hollý J., Fogelová M., Jakubcová L., Tomčíková K., Vozárová M., Varečková E., Kostolanský F. Comparison of infectious influenza A virus quantification methods employing immuno-staining. In: JOURNAL OF VIROLOGICAL METHODS Volume: 247, pages: 107-113 Published: SEP 201
4. Briestenská K., Mikušová M., Tomčíková K., Kostolanský F., Varečková E. Quantification of bacteria by in vivo bioluminescence imaging in comparison with standard spread plate method and reverse transcription quantitative PCR (RT-qPCR). In Archives of Microbiology. - ISSN 0302-8933. - vol. 203, no. 7 (2021), p. 4737-4742
5. Jakubcová L., Vozárová M., Hollý J., Tomčíková K., Fogelová M., Polčicová K., Kostolanský F., Fodor E., Varečková E. Biological properties of influenza A virus mutants with amino acid substitutions in the HA2 glycoprotein of the HA1/HA2 interaction region. In: Journal of General Virology. - ISSN 0022-1317. - vol. 100, no. 9 (2019), p. 1282-1292.
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