

Mgr. Patrícia Hockicková, Ph.D. – works as an assistant professor at the Department of Laboratory Medicine, Faculty of Health Sciences and Social Work, Trnava University in Trnava. She is involved in teaching the courses Biophysics, Human Genetics, Microbiology – Mycology, Laboratory Techniques, and Somatology.

She completed her doctoral studies in Laboratory Medicine. Her research focuses primarily on the effects of environmental pollutants and endocrine-disrupting chemicals, particularly bisphenols, using the model organism *Caenorhabditis elegans*. Her research interests include reproductive and neurobehavioral effects, mechanisms associated with cuticle function and genetic susceptibility.

During her academic career, she has received several awards for her scientific and presentation activities. In 2025, she was awarded 2nd place for the best student presentation at the Labudove dni conference and 3rd place for the best scientific contribution at the Student Scientific Conference in České Budějovice. She was also nominated for the Student Personality of the Year award in 2023, 2024, and 2025.

Born: 1999

Ph.D.: 2026

Publications:

1. **HOCKICKOVÁ, P.** – KAIGLOVÁ, A. – KORABEČNÁ, M. – KUCHARÍKOVÁ, S. 2026. A Review of the Literature on the Endocrine Disruptor Activity Testing of Bisphenols in *Caenorhabditis elegans*. Journal of Xenobiotics [online]. 2026, roč. 16, č. 1, s. 1–23. ISSN 2039-4705. ISSN (online) 2039-4713. DOI: 10.3390/jox16010007.
2. KUCHARÍKOVÁ, S. – **HOCKICKOVÁ, P.** – MELNIKOV, K. – BÁRDYOVÁ, Z. – KAIGLOVÁ, A. 2023. The *Caenorhabditis elegans* cuticle plays an important role against toxicity to bisphenol A and bisphenol S. In: Toxicology Reports. [online]. 2023, roč. 10, s. 341-347. ISSN 22147500. DOI: 10.1016/j.toxrep.2023.02.013
3. KAIGLOVÁ, A. – **HOCKICKOVÁ, P.** – BÁRDYOVÁ, Z. – REHÁKOVÁ, R. – MELNIKOV, K. – KUCHARÍKOVÁ, S. 2024. The chemotactic response of *Caenorhabditis elegans* represents a promising tool for the early detection of cancer. Discover Oncology [online]. 2024, roč. 15, č. 1, s. 817. ISSN 2730-6011. DOI:10.1007/s12672-024-01721-7.

4. KAIGLOVÁ, A. – **HOCKICKOVÁ, P.** – KUCHARÍKOVÁ, S. 2026. Modelový organizmus *Caenorhabditis elegans* ako nástroj na hodnotenie nežiaducich účinkov endokrinných disruptorov – bisfenolu A a jeho alternatív. Trnava: Typi Universitatis Tyrnaviensis, 2026. ISBN 978-80-568-0984-6 (print). ISBN 978-80-568-0972-3 (online). DOI: 10.31262/978-80-568-0972-3/2026.
5. KAIGLOVÁ, A. – BÁRDYOVÁ, Z. – **HOCKICKOVÁ, P.** – ZVOLENSKÁ, A. – MELNIKOV, K. – KUCHARÍKOVÁ, S. 2025. *Caenorhabditis elegans* as a Model to Assess the Potential Risk to Human Health Associated with the Use of Bisphenol A and Its Substitutes. International Journal of Molecular Sciences [online]. 2025, roč. 26, č. 5, s. 2013. ISSN 1422-0067. DOI:10.3390/ijms26052013.