Kristína Truchanová, MSc.

Personal info:

Date of birth: 27.11.1996

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Professional curriculum vitae:

Education

2016 – 2019	BSc., Biomedical Physics, Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovakia, (Bachelor thesis: Extracellular DNA and exosomes isolated from human and animal plasma)
2019 – 2021	MSc., Biomedical Physics, Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovakia, (Master thesis: Protected and unprotected cellfree DNA)
2021 – 2025	PhD., Normal and Pathological Physiology, Institute of Molecular Biomedicine, Faculty of Medicine, Comenius University, Bratislava, Slovakia, (Dissertation thesis: Importance of intercellular communication in immunity)

Employment

2026 –	lecturer, Institute of Medical Physic and Biophysics, Comenius University in Bratislava, Slovakia

Conferences and workshops

02/2022	97. Physiological Days in Prague, Prague, Czech Republic
05/2022	XVII. Scientific conference of doctoral students, Comenius University, Medical Faculty, Bratislava, Slovakia
09/2022	9th Central Eastern European Symposium on Plasma Chemistry, Štrbské Pleso, Slovakia
09/2022	COMBIVET a BSEV symposium: „Extracellular vesicles: Nanoscale containers full of messages", Tartu, Estonia
10/2022	29. congress of European society for gene and cell therapy (ESGCT) in cooperation with British society for gene and cell therapy (BSGCT), Edinburgh, United Kingdom
05/2023	Kind-Philipp-Meeting 2023, Wilsede, Germany
10/2023	1st MOVE (Mobility for Vesicles Research in Europe) symposium, Malaga, Spain
05/2024	IX. Scientific conference of doctoral students, Comenius University, Medical Faculty, Bratislava, Slovakia
04/2025	ISEV Annual Meeting 2025, Vienna, Austria
10/2025	CzeSEV Meeting 2025, Vestec u Prahy, Czech Republic
04/2026	RECOOP – 21st Bridges in Life Science, Zagreb, Croatia

Research stays

04/2022	ESGCT Spring School 2022, Athens, Greece
09/2022	BSEV/Combivet summer school “Basics to work with extracellular vesicles”, Tartu, Estonia
02/2023 – 03/2024	Exosome Research Lab, Department of Pediatric Oncology, University Hospital of Essen, Germany
04/2026	Health Data School, Medical Faculty, Comenius University, Bratislava, Slovak republic

Teaching

07/2026	Blended Intensive Programme, Istanbul, Turkey

Grants

Grant of Comenius University - UK/329/2022

Extracellular DNA in exosomes

Grant of Comenius University - UK/3263/2024

Extracelulárne vezikuly ako prognostický marker sepsy

Publication records

Publications: according to WoS: 3, SCI citacions (without self-citation): 35, h-index: 3

1. **Lichá K**, Pastorek M, Repiská G, Celec P, Konečná B. Investigation of the Presence of DNA in Human Blood Plasma Small Extracellular Vesicles. Int J Mol Sci. 2023 Mar 21;24(6):5915. doi: 10.3390/ijms24065915. PMID: 36982989; PMCID: PMC10051167.
2. Chetty VK, Ghanam J, **Lichá K**, Brenzel A, Reinhardt D, Thakur BK. Y-box binding protein 1 in small extracellular vesicles reduces mesenchymal stem cell differentiation to osteoblasts-implications for acute myeloid leukaemia. J Extracell Vesicles. 2024 Mar;13(3):e12417. doi: 10.1002/jev2.12417. PMID: 38499475; PMCID: PMC10948369.
3. Ghanam J, **Lichá K**, Chetty VK, Pour OA, Reinhardt D, Tamášová B, Hoyer P, Lötvall J, Thakur BK. Unravelling the Significance of Extracellular Vesicle-Associated DNA in Cancer Biology and Its Potential Clinical Applications. J Extracell Vesicles. 2025 Mar;14(3):e70047. doi: 10.1002/jev2.70047. PMID: 40091452; PMCID: PMC11911540.