

Otília Tóth

Curriculum vitae

Basic data

Department: Department of Applied Biotechnology and Food Science

Position: PhD student

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Links

MTMT: [10001312](https://www.mtmt.hu/10001312)

ODT: [46304](https://www.ojs.bme.hu/index.php/46304)

Google Scholar ID: -

Linkedin: www.linkedin.com/in/otília-tóth-9045a78b

ResearchGate: -

MTA: -

Introduction

Short introduction: I joined the Genome Metabolism research group in 2022 to work on my TDK project and MSc thesis and since 2024 I have been participating as a PhD student. My research focuses on the role of dUTPase enzyme using human immortalized cell lines and a mouse embryo model. My work primarily involves eukaryotic cell culture, immunoprecipitation, fluorescence and confocal microscopy.

Education: Biotechnology MSc

Professional experience:

Pannon University, Bio-Nanotechnology and Chemical Institute Bio-Nanoparticles laboratory (2019-2021)

BME, ABÉT, Genome Metabolism Research Group (2022-)

Research topics: Investigation of the role of dUTPase enzyme in human cells, neurons, and a mouse embryo model

Research projects: Investigation of dUTPase enzyme, analysis of its shRNA-mediated silencing, as well as identification of its interaction partners

Awards, honours: Pannon University TDK Biology section ranked II. (2020)

Scholarships, scientific trips:

DKÖP – Doctoral Excellence Scholarship (2025-)

EMBO EMBL 'Seeing is believing' national conference – poster presentation (Heidelberg, 2023)

FIBOK conference – poster presentation (Martonvásár, 2024)

Annual Meeting of the Hungarian Biochemical Society – poster presentation (Budapest, 2024)

Genetic conference – oral presentation (Szeged, 2024)

Professional and scientific public activities: As a consultant, I assist BSc and MSc students in preparing their BSc, MSc and TDK papers.