

András Telek

Curriculum vitae

Basic data

Department: Department of Applied Biotechnology and Food Science

Position: PhD student

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Links

MTMT: [10093956](https://www.mtmt.hu/10093956)

ODT: [Telek András - ODT student](https://www.oda.hu/telek-andras-odt-student)

Google Scholar ID:

Linkedin: <https://www.linkedin.com/in/telek-andras/>

ResearchGate:

MTA:

Introduction

Short introduction:

As a PhD student at the Oláh György Oláh Doctoral School of BME, I am working on biocatalysis, enzymatic synthesis of chiral amine compounds. My research is supported by the Cooperative Doctoral Program in an industry-academia collaboration at the Servier Research Institute and the MTA-BME Biostruct Laboratory. My scientific career has been mainly in molecular biology and organic chemistry, which I have extended to bioinformatics and enzyme engineering. I am motivated by the direct use of my results in industry and the scientific community. I aim to bring together different disciplines in innovative ways to develop new and more efficient methods and solutions. I believe that collaboration between science and industry can bring significant breakthroughs in both biocatalysis and chemical biology.

Education: Chemistry BSc ELTE (2019), Biochemistry MSc LMU Munich (2021)

Professional experience:

4th Hands-On Computational Enzyme Design course (2023)

PhD research, Servier Research Institute, MTA-BME Biostruct Laboratory (2021 -)
Biocatalysis, enzymatic synthesis of chiral amines, bioinformatics, protein expression, structural biology, protein engineering

Internship, LMU Kielkowski Research Group (2021)
Proteomics, mass spectrometry, method development, data analysis

Internship, LMU Thorn-Seshold Research Group (2020 - 2021)
Organic synthesis, photometry, photoacoustic contrast agents

Internship, LMU Herzog Research Group (2019 - 2020)
Protein expression, protein purification, protein-protein interactions

TDK research, MTA SZKI Research Group Chemical Biology (2017 - 2019)
Organic synthesis, super-resolution microscopy, photometry

Research topics: biocatalysis, enzyme engineering

Research projects: Biocatalytic asymmetric synthesis of amines by reductive amination

Awards, honours:

László Zechmeister Lecturer Award (2024), finals
ELTE Chemistry TDK conference (2018), "Alchemy today" lecturer award

Scholarships, scientific trips:

COZYME ITC Conference Grant (2024)
COZYME Short Term Scientific Mission (2023)
Cooperative Doctoral Programme National Defense Subprogramme (2022 -)
KAAD Eastern Europe Programme (2019 - 2021)
New National Excellence Programme (2018 - 2019)

Professional and scientific public activities:

Eötvös József Collegium (2016 - 2019, 2021 -), Biology-Chemistry Workshop
Hungarian Biotechnology Student Association (2021 -)

Teaching activity: biochemistry laboratory course (bioengineering BSc)