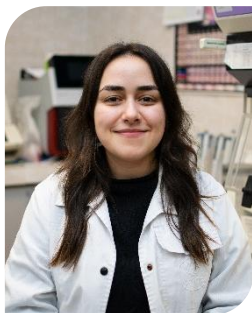


# CURRICULUM VITAE



## PERSONAL INFORMATION

*Family name, first name:* Ágoston, Gyopárka

*Affiliation:* Enzymology and Applied Biocatalysis Research Center,  
Faculty of Chemistry and Chemical Engineering, Babeş–Bolyai  
University, 11 Arany János Str., RO-400028, Cluj-Napoca, Romania

*E-mail:* [gyoparka.agoston@ubbcluj.ro](mailto:gyoparka.agoston@ubbcluj.ro)

*Nationality:* Romanian, Hungarian

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## WORK EXPERIENCE

01/11/2025 – present

**Research assistant** within the research project PNRR I8, contract nr. 760251/28.12.2023, Exploring bacterial protein-protein interactions for antibiotic research – BACPROBIO, (Director: Dr. Jürgen Brem), Faculty of Chemistry and Chemical Engineering, Babeş–Bolyai University, Romania

08/03/2023 – 01/11/2025

**Chemist** within the research project PNRR I8, contract nr. 760251/28.12.2023, Exploring bacterial protein-protein interactions for antibiotic research – BACPROBIO, (Director: Dr. Jürgen Brem), Faculty of Chemistry and Chemical Engineering, Babeş–Bolyai University, Romania

11/07/2022 – 29/07/2022

**Intern** at Coats Romania S.R.L., Odorheiu Secuiesc, Romania

## EDUCATION

29/09/2025 – present

**PhD** – Doctoral School of Chemistry, Institute for Doctoral Studies, Faculty of Chemistry and Chemical Engineering, Babeş–Bolyai University, Cluj-Napoca, Romania  
Topic: Exploration and protein engineering of aromatic ammonia-lyases  
Scientific advisor: Prof. habil. dr. ing. Csaba Paizs

02/10/2023 – 04/07/2025

**MSc** - Chemistry and Engineering of Nano- and Biomaterials, Faculty of Chemistry and Chemical Engineering, Babeş–Bolyai University, Cluj-Napoca, Romania

02/10/2023 – present

**MSc** - Master Didactic of Chemistry, Faculty of Chemistry and Chemical Engineering, Babeş–Bolyai University, Cluj-Napoca, Romania

30/09/2019 – 06/07/2023

**BSc** - Chemistry and Engineering of Organic Substances, Petrochemistry and Carbochemistry, Faculty of Chemistry and Chemical Engineering, Babeş–Bolyai University, Cluj-Napoca, Romania

## AWARDS

23-26/10/2024

**First place** at the XXX<sup>th</sup> International Conference on Chemistry, Ph.D. students' plenary session, provided by the Hungarian Chemical Society, Cluj-Napoca, Romania

18-21/05/2023

**Second place** at the 26<sup>th</sup> Transylvanian Students' Scientific Conference, Cluj-Napoca

## SCHOLARSHIPS

2024 – 2025 academic year

**Special Scholarship for Scientific Activity** provided by the Babeş–Bolyai University

**Scholar** at the Collegium Talentum talent development program provided by the Sapientia Hungariae Foundation

2023 – 2024 academic year

**Scholarship for young researchers**, provided by the World Federation of Scientist

## CONFERENCES

09-11/07/2025

**Poster presentation** at The 14<sup>th</sup> International Symposium of the Romanian Catalysis Society (RomCat2025), Cluj-Napoca, Romania

25-28/03/2025

**Poster presentation** at Novel Enzymes 2025, Budapest, Hungary

23-26/10/2024

**Oral presentation** at XXX<sup>th</sup> International Conference on Chemistry, Cluj-Napoca, Romania

17-21/04/2024

**Oral presentation** at The XX<sup>th</sup> International Conference “Students for Students”, Cluj-Napoca, Romania

25-28/10/2023

**Poster presentation** at the XIX<sup>th</sup> International Conference on Chemistry, Târgu-Mureş, Romania

13-15/09/2023

**Poster presentation** at the Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, Cluj-Napoca, Romania

18-21/05/2023

**Oral presentation** at the 26<sup>th</sup> Transylvanian Students' Scientific Conference, Cluj-Napoca, Romania

26-30/04/2023

**Poster presentation** at The XIX<sup>th</sup> International Conference “Students for Students”, Cluj-Napoca, Romania

## PUBLICATIONS

2024

R. B. Tomoiaga, G. Ágoston, K. Boros, L. C. Nagy, M. I. Toşa, C. Paizs, L. C. Bencze. The Biocatalytic Potential of Aromatic Ammonia–Lyase from *Loktanella atrilutea*, *ChemBioChem*, **2024**, 25, e202400011. <https://doi.org/10.1002/cbic.202400011>

## WORK RELATED SKILLS AND COMPETENCES

**Molecular biology, protein engineering and characterization:** cloning techniques, site-directed mutagenesis, polymerase chain reaction (PCR), gel electrophoresis, protein purification techniques, enzymatic kinetics studies, fast protein liquid chromatography (FPLC), polyacrylamide gel electrophoresis, UV-VIS spectroscopy, protein thermal shift assay

**Biocatalysis:** reactions catalyzed by whole-cell and purified enzymes, L-amino acid synthesis using phenylalanine ammonia-lyase and aromatic ammonia-lyase enzymes, high performance liquid chromatography (HPLC)

**Computational skills:** Microsoft Office, MEGA-11, GraphPad, SnapGene, ChemDraw

## LANGUAGE SKILLS

**Mother tongue:** Hungarian

**Other languages:** Romanian (C1), English (C2), Spanish (B1)

## VOLUNTEERING

2019 – present

**Volunteer** at the Organization of Young Hungarian Chemists of Cluj-Napoca

2022-2023: Secretary

2021-2022: Vice-President for Communications and Media

2014 – present

**Volunteer** at the the Youth Forum of Odorhei

2009 – present

**Active scout** at the Hungarian Scout Association in Romania