

Curriculum Vitae

General

Name: Mihail Besleaga
E-mail: mihail.besleaga@tuwien.ac.at
Tel.: +43 1 58801 166423
Citizenship: Romanian



Education

University Education: April 2021 - present: **PhD candidate** at the Integrated Bioprocess Development group of Prof. Oliver Spadiut;

September 2018 – September 2020: **Master's degree** in Medical and Pharmaceutical Biotechnology

Master thesis: Optimization of recombinant expression of Protein L in Escherichia coli for immobilization on a biosensor for Fab detection
Supervisor: Prof. Christoph Herwig, at the University of Technology Vienna

September 2013 - June 2017; **Bachelor's degree** in Biomedicine and Ecology, Pharmaceutical Technology at Free International University of Moldova

Bachelor thesis: The technology of production of the medical industrial form of the tablets Herpevir 200 mg

Professional career

Current employment: Since April 2021 employed as a project assistant in the Integrated Bioprocess Development group at the University of Technology Vienna, in the team of Prof. Oliver Spadiut

Previous employment: September 2015 - August 2017 employed as a pharmacist

Competences

Languages: Romanian (native)

	Russian (C1-level)
	English (C1-level)
	German (A2-level)
IT skills:	Expertise and proper usages with Origin, Microsoft Office, Skyline, ImageLab and Lucillus
Job-related Acquirements:	Professional & precise work in molecular biology (qPCR, protein purification, Western blotting, HPLC), fermentation technology (upstream and early downstream processing)

Publications and scientific contributions

Besleaga, M., Zimmermann, C., Ebner, K. et al. Bi-directionalized promoter systems allow methanol-free production of hard-to-express peroxygenases with *Komagataella Phaffii*. *Microb Cell Fact* 23, 177 (2024). <https://doi.org/10.1186/s12934-024-02451-9>

Besleaga, M., Vignolle, G. A., Kopp, J., Spadiut, O., Mach, R. L., Mach-Aigner, A. R., & Zimmermann, C. (2023). Evaluation of reference genes for transcript analyses in *Komagataella phaffii* (*Pichia pastoris*). *Fungal Biology and Biotechnology*, 10(1), 1-7. <https://doi.org/10.1186/s40694-023-00154-1>

Kittler, S., Ebner, J., **Besleaga, M.**, Larsbrink, J., et al., Recombinant Protein L: Production, Purification and Characterization of a Universal Binding Ligand. *Journal of Biotechnology* 2022, 359, 108-115.

Kittler, S.; Slouka, C.; Pell, A.; Lamplot, R.; **Besleaga, M.**; Ablasser, S.; Herwig, C.; Spadiut, O.; Kopp, J. Cascaded processing enables continuous upstream processing with *E. coli* BL21(DE3). *Scientific Reports* 2021, 11, 11477.

Kittler, S.; **Besleaga, M.**; Ebner, J.; Spadiut, O. Protein L—More Than Just an Affinity Ligand. *Processes* 2021, 9, 874.