



KATALIN BERTA

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[LinkedIn](#)

EDUCATION

- 2022 – present **Semmelweis University, Department of Anatomy, Histology and Embriology, János Szentágotthai Doctoral School of Neurosciences, Neuropsychiatry Group**
PhD Student
- 2021 – 2022 **University of Debrecen, Department of Medical Chemistry, Doctoral School of Molecular Medicine, PARP Group**
PhD Student
- 2019 – 2021 **University of Debrecen, Faculty of Medicine,**
Molecular Biology MSc
- 2013 – 2018 **University of Szeged, Faculty of Science and Informatics,**
Molecular Bionics Engineering BSc

EXPERIENCE

- 2021 – 2022 **University of Debrecen, Faculty of Medicine**
Medicinal chemistry, molecular biology laboratory practice demonstrator
- 2020 – 2021 **University of Debrecen, Department of Nuclear Medicine**
Thesis Student
- 2018 **University of Szeged, Department of Physical Chemistry and Materials Science**
Laboratory Assistant
- 2017 **MTA-SZTE, Research Group of Supramolecular and Nanostructured Materials**
Thesis Student
- 2010 – 2011 **Hungarian Research Student Assotiation**
Deputy Head of Life and Environmental Sciences Department

METHODS, TECHNIQUES

- **Molecular biology methods**
- **Nanocolloid drugs formulation methods**
- **Physical and radiochemistry methods**
- **Software knowledge:** BrainCAD, Galaxy, ImageJ, DevC++, Origin 8.5, OligoDT, Primer3+, Graphpad, Image Scope

CONFERENCES AND PRESENTATIONS

- 2023 **MITT-ANA 2023** (Budapest)
Poster Section – Cellular neuroscience
Berta K., Tyler T., Hoppa P., Frank E., Adorjan I. *Calretinin-immunopositive*

Interneurons of the Caudate Nucleus and Dorsolateral Prefrontal Cortex in the Primate Brain Evolution

- 2021 **XIV. Sántha Kálmán Scientific e-Conference** (Debrecen)
Basic Research I. Section: Best Poster Award
Synthesis of ⁶⁸Ga-labeled glycopeptide-based radiopharmaceuticals and preclinical investigation by PET imaging
- 2021 **University of Debrecen, Conference of Student's Scientific Association** (Debrecen)
Pharmaceutical Chemistry Section: Presenter – 3rd prize
Synthesis of ⁶⁸Ga-labeled c(NGR) peptide-based glycopeptide and in vivo and ex vivo studies
- 2019 **NANOCON – 11th International Conference on Nanomaterials** (Brno)
Poster Section
Juhász Á., Ungor D., Berta K., Csapó E. *Analysis of binding efficiency and release kinetics of size-controlled liposomes using various drug encapsulation methods*
- 2010 **National Conference of Researching Students (TUDOK)** (Sárospatak)
Medical Section: Presenter – Special prize
- 2010 **National Conference of Researching Students (TUDOK)** (Budapest)
Medical Section: Presenter – 1st prize
- 2008 **Avram Hershko National Science Competition** (Karcag)
Presenter – 1st prize

PUBLICATIONS

[SYNTHESIS OF ⁶⁸GA-LABELED CNGR-BASED GLYCOPEPTIDES AND IN VIVO EVALUATION BY PET IMAGING](#)

Gyuricza, B., P. Szabó, J., Arató, V., Dénes, N., Szűcs, Á., Berta, K., Kis, A., Szűcs, D., Forgács, V., Szikra, D., Kertész, I., Trencsényi, Gy., Fekete, A.

Pharmaceutics. **2021**, *13*(12), doi.org/10.3390/pharmaceutics13122103

[SPREADSHEET-BASED NONLINEAR ANALYSIS OF IN VITRO RELEASE PROPERTIES OF A MODEL DRUG FROM COLLOIDAL CARRIERS](#)

Juhász, Á., Ungor, D., Berta, K., Seres, L., Csapó, E.

J. Mol. Liq. **2021**, *328*, doi.org/10.1016/j.molliq.2021.115405

["DATA VALIDATION FOR MEDICAL DEVICES DEVELOPMENT"](#)

Dani, Á., Tóth, E., Kovács, A., Kovács, I., Berta, K.

Fizikai Szemle. **2010**, *1*, 10-13.

RESEARCH FUNDING

- 2021 **EFOP-3.6.3-VEKOP-16-2017-00009** "Support for Higher Education students in academic programs and workshops"

APPRENTICESHIP

- 2021. május – július **OrthoSera** Apprentice Program (Budapest)

LANGUAGE

- English