

Ildikó Szabó – Curriculum Vitae

senior research fellow

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Research topic

Design, synthesis and *in vitro* evaluation of melanoma specific peptide-based conjugates, nanoconstructs for preparation of tumor vaccines

Publications

List of my publications in the Hungarian Archives of Scientific Works (MTMT) <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10003031>

Qualifications, academic degree

1999-2005: chemistry, specialization in pharmaceutical research, ELTE-TTK, Budapest, Hungary

2005: diploma in chemistry, ELTE-TTK, Budapest, Hungary

2005-2008: ELTE-TTK, Doctoral School of Chemistry, Synthetic Chemistry, Materials Science, Biomolecular Chemistry Programme

2009: Ph.D.

Workplaces, positions

2008-2010: Research Group Peptide Chemistry, MTA-ELTE, Budapest, assistant research fellow

2010-2020: Research Group Peptide Chemistry, MTA-ELTE, Budapest, research fellow

2016-2017: maternity leave

2020-: ELKH-ELTE Research Group of Peptide Chemistry, Budapest, senior research fellow

2023-: Peptide-based Vaccines Research Group, senior research fellow Tudományos

Student activities

2004-2005: MTA-ELTE Research Group of Peptide Chemistry, Synthesis of drug containing GnRH-III bioconjugates (supervisor: Gábor Mező)

Skills

- manual and automated peptid synthesis
- analytical methods: amino acid analysis, elemental analysis, mass spectrometry
- cell culture maintenance

- in vitro viability tests
- flow cytometry (especially internalization assays, apoptosis assays)
- blood preparation, cytokine profiling
- Course in Experiment Supervision, EU-B level (FELASA C equivalent qualification), University of Veterinary Medicine Budapest, Department of Laboratory Animal Science & Animal Welfare

Education (ELTE)

- Organic Chemistry Exercise for Chemistry Students (2012-)
- Organic Chemistry (2012-).
- Selected chapters in peptide and protein chemistry, partial lectures (2012-)
- Instrumental Analytical Practice II (2018-)
- Laboratory tutorials (for 2 BSc students and 5 MSc students)

Study trips

2007: Advanced Drug Delivery and Drug Targeting Course, Groningen, The Netherlands, 10days

2010: Spanish-Hungarian TÉT grant (ES20/2008) Design and synthesis of peptide-based drug delivery systems: antitumor and antimicrobial applications, Pompeu Fabra University Barcelona, Spain, 1month

2014 and 2015: Hungarian-Italian MTA-CNR grant (Design of antitumor conjugates for targeted delivery to understand the mechanism of cellular entry by proteomics) Mass Spectrometry and Proteomics, Institute of Biosciences and BioResources, National Research Council of Italy, Naples, Italy, 3+3 weeks

Language skills

English (intermediate), German (basic)