

Ildikó Szabó – CURRICULUM VITAE

Research topic

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

Researcher unique identifiers:

- ORCID ID: 0000-0002-9844-7841
- Scopus ID: 35602228600
- Google Scholar ID: 0l07HkwAAAAJ&hl
- MTMT: 10003031

Degree and qualification:

- PhD in Chemistry (2010) Eötvös L. University, awarded with *summa cum laude*.
- MSc (2005) in Chemistry, Specialisation in Pharmaceutical Chemistry - ELTE

Positions and workplaces:

- 03/2025 – to date: research fellow (full-time job), MTA–HUN-REN TTK Lendület "Momentum" Peptide-Based Vaccines Research Group
- 01/2009 – 07/2023: ELTE, Research Group of Peptide Chemistry
- 09/2005 – 08/2009: PhD fellow, PhD School, Faculty of Science, ELTE

Prizes and awards:

- 2022-2025 Bolyai János Scholarship of the Hungarian Academy of Sciences
- 2010 Publication Award of the Kisfaludy Lajos Foundation (2nd prize)
- 2005 1st place on the XXVI National Scientific Student Conference, Budapest, Hungary

Funding:

Research grants (as principal investigator):

- 2023-2024 New National Excellence Program Bolyai+ (ÚNKP-23-5-ELTE-494) Synthetic modifications of melanoma antigens for development of peptide-based vaccines.
- 2022-2023 New National Excellence Program Bolyai+ (ÚNKP-22-5-ELTE-1157) Development of melanoma antigen-based peptide vaccines for immunotherapy
- 2013-2015 Hungarian Scientific Research Fund (OTKA PD 104012) Targeted tumor therapy with GnRH-II analogues (well satisfied).

Research grants (as participant):

- 2021-2023 Complex epidemiological and clinical responses to meet the COVID-19 pandemic (EFOP-1.8.0-VEKOP- 17-2017-00001 / E).
- 2019-2023 Hungarian Scientific Research Fund (NKFI-129936) Expanding the frontiers of label-free single cell biosensing and manipulation in biomedical engineering.

Research expeditions and courses:

- 2011 FELASA “C” accredited course on Laboratory animal science and animal protection (Szent István University, Faculty of Veterinary Science)
- 2021. Completion of BSL III training
- 2007. Advanced Drug Delivery and Drug Targeting Course, Groningen, Hollandia

- 2010. Barcelona Medical Research Park, University of Pompeu Fabra, Barcelona, 1 month
- 2014 and 2015. Laboratory of Mass Spectrometry and Proteomics, Institute of Biosciences and BioResources, National Research Council of Italy, Naples, Italy, 3-3 weeks

Teaching, supervising and mentoring activities:

- Supervision and co-supervision of PhD students (3)
- Supervision and co-supervision of BSc and MSc students (4-4)
- from 2018: Course on elemental analysis for MSc students (in Hungarian and in English), ELTE
- from 2023: Course on Peptide synthesis for MSc students (in Hungarian and in English), ELTE

Memberships:

- European Peptide Society (member)
- Hungarian Chemical Society (member)
- Hungarian Peptide Chemistry Working Committee (member and Secretary (2012-2015))

Maternity leave:

02/2016-09/2017; one child (born on 04 Feb 2016)