

GERGŐ GYULAI – CURRICULUM VITAE

I am an assistant professor at Eötvös Loránd University, Institute of Chemistry, conducting my research at the ELTE Laboratory of Adaptive and Autonomic Materials and the HUN-REN TTK Peptide-Based Vaccines Research Group. My main research areas include the development of polymer nanoparticle and carbon quantum dot systems capable of drug delivery, as well as the investigation of interactions between drugs, nanostructures, and cell membrane models.



Researcher unique identifiers:

- ORCID ID: 0000-0002-1352-2014
- Scopus ID: 55238290200
- Google Scholar ID: bqCYmvgAAAAJ&hl
- MTMT: 10032694
- ResearchGate: Gergo_Gyulai

Degree and qualification:

- 2014. PhD in Chemistry (PhD), Eötvös Loránd University, awarded with *summa cum laude*
- 2010. MSc in chemistry, specialization in materials science, Eötvös Loránd University

Positions and workplaces::

- 2022 – : research fellow, HUN-REN Research Centre for Natural Sciences
- 2020 – : assistant professor, ELTE Institute of Chemistry
- 2016 – 2017: Postdoctoral research fellow, Hungarian Academy of Sciences, ELTE Laboratory of Interfaces and Nanostructures
- 2015 – 2020: research fellow, ELTE Institute of Chemistry, ELTE Laboratory of Interfaces and Nanostructures
- 2014 – 2015: Postdoctoral research fellow, RWTH Aachen, DWI Leibniz-Institute für Interactive Materialien
- 2013 – 2014: research assistant, ELTE Institute of Chemistry, ELTE Laboratory of Interfaces and Nanostructures

Prizes and awards:

- 2016. Scientific and Regulatory Advances in Complex Drugs, 2016 conference, Budapest, Best poster award
- 2014. Bio-Friendly Polymers and Polymer Additives 2014 conference, Budapest, Best poster award
- 2011. "Dr. Wolfram Ervin Alapítvány" Award
- 2010. Hungarian Chemical Society Thesis Excellence Award
- 2010. Outstanding Student Award of the Faculty of Science, ELTE
- 2009. ELTE Scientific Student Conference, III. place

Research grants, funding:

- NKFIH FK 142754 (2022–2026)
- ELTE Szint+ Instrument Purchase Grant (2019)
- Richter Gedeon Centenáriumi Alapítvány, Rövidtávú Kutatási Támogatás (2016)

- MTA Postdoctoral Research Program (2016–2017)
- Garg-Stiftung, RWTH Aachen, Germany (2014)
- TÁMOP 4.2.4. A/2-11-1-2012-0001 National Excellence Program (2013–2014)

Research expeditions and courses:

- 2013. "Train-the-Trainer" Education Program (ELTE, Budapest)
- 2011. "Surfactants and polymers in aqueous solution" course (ECIS, Potsdam, Germany)

Memberships:

- Hungarian Academy of Sciences Colloid Chemistry Committee
- Hungarian Chemical Society, Colloid Chemistry and Nanotechnology Division (secretary since 2019)

Teaching, mentoring activity:

My teaching activities include leading laboratory practices, delivering lectures, and supervising student research in the BSc Chemistry, MSc Chemistry, and MSc Materials Science programs. I have been involved in the training programs at ELTE and other higher education institutions for over a decade, with a particular focus on colloid science, materials science, and physical chemistry. As a thesis supervisor, I assist BSc, MSc, and PhD students in their work, and as a lab leader, I have contributed to the development of new measurement topics. As a lecturer, I am responsible for several courses, including "Materials Chemistry II" and "Interfacial Chemistry." I have actively participated in training the next generation of researchers, supervising BSc Chemistry, MSc Chemistry, and MSc Materials Science students' thesis projects (16 successfully defended theses), and I have supervised three doctoral candidates who have obtained their absoltorium.