

CURRICULUM VITAE

Personal data

Name: Éva Csősz

Maiden name: Éva László

Date of birth: August 07, 1977.

Positions

2022- deputy head of department, Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Debrecen, Debrecen

2022- Full professor, Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Debrecen, Debrecen

2019- 2022 Associate professor, Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Debrecen, Debrecen

2016-2019 Research fellow, PD OTKA awardee, Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Debrecen, Debrecen

2016- Head of the Biomarker Research Group, Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Debrecen, Debrecen

2014- Lipidomics Core Facility Manager, Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Debrecen, Debrecen

2013-2016 Assistant professor, Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Debrecen, Debrecen

2010- Proteomics Core Facility Manager, Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Debrecen, Debrecen

2000-2001 Instructor at the Laboratory of Biochemistry, Department of Animal Physiology, Faculty of Biology and Geology, Babes-Bolyai University, Cluj Napoca, Romania

Education, titles

2021 Doctor of Science of the Hungarian Academy of Sciences

2019 Habilitation in Theoretical Medicine, Faculty of Medicine, University of Debrecen

2008 Ph.D. in Molecular Biology, Department of Biochemistry and Molecular Biology, University of Debrecen, Debrecen, Hungary

2001 MSc in Biology (spec. Biochemistry), University of Debrecen, Debrecen, Hungary

2001 MSc in Cell and Molecular Biology, Babes-Bolyai University, Cluj Napoca, Romania

1999 BSc in Biology, Babes-Bolyai University, Cluj Napoca, Romania

Research interest

Development and application of proteomics techniques to understand the complex biological systems, acquisition and examination of proteomics and metabolomics data, integration of data from different modalities to get information on the transition of obesity to type-2 diabetes, examination of antimicrobial and immunomodulatory peptides in various diseases, identification of disease-related biomarkers from liquid biopsies

Achieved grants

As a group leader: Marie Skłodowska-Curie Actions, HORIZON-MSCA-2022-DN-01, ELIXIR Community-Led Implementation Study 2021-2023 (leader of the Hungarian group), FK 134605 (NKFIH), 2020-2024, PD 121075 (NKFIH), 2016-2019, PD 116817 OTKA, 2016-2018, closed in 2019, Ophthalmology-Proteomics group leader in the TÁMOP-4.2.2.A-11/1/KONV-2012-0045 project, closed in 2014

As a participant: FK138678, K124815, OTKA44798, OTKA61868, OTKA105034, OTKA101788, OTKA, OTKA84309, OTKA 128250, OTKA 125238, FA1002, NeurotechRI, H2020, TÁMOP-4.2.2-08/1-2008-0019, TÁMOP-4.2.2.D-15/1/KONV-2015-0016, EFOP-3.6.1-16-2016-00022, 2019-1.1.1-PIACI-KFI-2019-00109, GINOP-2.3.4-15-2016-00002, GINOP-2.3.3-15-2016-00020

Teaching

Biochemistry practicals for biology BSc students at Cluj Napoca, Romania (2000-2001); biochemistry, molecular biology, and proteomics for students of the Faculties of Medicine, Pharmacy, Dentistry and Science and Technology of the University of Debrecen in Hungarian and in English: lectures since 2011, seminars since 2009 and practicals since 2005. Examiner: since 2009 participation in the evaluation of the written exams, since 2010 exam organization and examination of MSc students from Proteomics and Proteins subjects, since 2013 biochemistry final exam examiner for pharmacy students, and since 2015 for medical students.

Supervision of Students' Scientific Activity (SSA) works and diploma theses

Number of scientific assays and diploma theses: 26, Number of SSA presentations: 18

Scientific mentoring

Participation as a mentor in the TALENTUD Talent management program of the University of Debrecen (mentoring 5 students).

Participation in mentoring talented Ph.D. students in the framework of EFOP-3.6.1-16-2016-00022 „Debrecen Venture Catapult Program” and creation of novel proteomics and metabolomics teaching materials for them.

Participation in postgraduate teaching

Doctoral School of Molecular and Cellular Immune Biology – supervisor since 2011

Number of PhD students who acquired PhD degree: 2

Number of current PhD students: 4

Number of postdoc mentees: 2

Awards

János Bolyai Research Grant of the Hungarian Academy of Sciences, 3 years (2016)

Bursaries, scholarships

János Bolyai Research Scholarship of the Hungarian Academy of Sciences, 3 years (2016)

ÚNKP-18 (BolyaiPlus) Scholarship (2018)

ESF - Protein Cross-Linking - the ESF Transglutaminases Programme (PCL) scholarship for the establishment and maintenance of a transglutaminase substrate database

PrimeXS scholarship for instrument use (CRG/UPF Proteomics Unit, Barcelona)

Erasmus+ Mobility grant for academic years 2014/2015 and 2015/2016 (Babes-Bolyai University, Cluj Napoca, Romania)

Membership in scientific societies

Proteomics Division of the Hungarian Biochemical Society

European Proteomics Association (EuPA)

Human Proteome Organization (HUPO)

Hungarian Academy of Sciences DAB Genomics, Proteomics and Bioinformatics Workgroup

Hungarian Academy of Sciences DAB Biophysics, Biochemistry and Molecular Biology Workgroup

Hungarian Chemical Society, Mass Spectrometry Division

Scientific Committee on Molecular Biology, Genetics and Cell Biology of the Hungarian Academy of Sciences member (10040613)

Hungarian Biochemical Society

István Apáthy Society (Cluj Napoca)

Scientific community work

European Proteomics Association (EuPA) – Executive Committee member, since 2021

European Proteomics Association (EuPA), Conferences and Communication Committee – coordinator, since 2021

Co-editor of the EuPA Newsletter

Human Proteome Organization (HUPO) council member, since 2023

Proteomics Division of the Hungarian Biochemical Society – founding president, 2019

European Proteomics Association – representative of Hungary with voting rights (General Council member), since 2019

Hungarian Academy of Sciences DAB Genomics, Proteomics and Bioinformatics Workgroup – co-chair, 2020-2023

Hungarian Academy of Sciences DAB Genomics and Proteomics Workgroup, 2015-2020, secretary
István Apáthy Society (Cluj Napoca, Romania) – founding member, 2000

Organization of the Omics Forum (Omikai Fórum) (Debrecen, 2016)

Starting the conference series “Learning from each other” and organization of two national meetings (Debrecen, 2019, on-line 2021)

Mass spectrometry from basic science to industry, online summer school for young researchers, 2021, organizer (<https://ms.chem.elte.hu/content/nyari-iskola.t.20011?m=6472>)

Summer Symposium 2021 (Summer symposium of the Doctoral School of Molecular Cell and Immune Biology, Debrecen) organizer

Proteomic Forum 2022/XIV. Annual Congress of the European Proteomics Association, Leipzig, Germany, 2022 – organizing committee member

BSPR-EuPA 2023 Conference, Newcastle-upon Tyne, United Kingdom, 2023 – organizing committee member

HUPO Congress 2023, Busan, South Korea, 2023 – core organizing committee member

HUPO Congress 2024, Dresden, Germany, 2024 – core organizing committee member

HUPO Congress 2025, Toronto, Canada, 2025 – core organizing committee member

EuPA2025 Congress, Saint Malo, France, 2025 – core organizing committee member

NKFIH grant review process

SSA conference jury member, chair

National SSA conference (OTDK) jury chair, 2020, jury member 2023

Evaluation of scientific essays, diploma theses, and SSA works (35 times)

State exam board member

Participation in PhD procedures

Peer-review for journals in the field of biochemistry and proteomics

Science popularization and information sharing activity

1998-2001, organization of student scientific activity in Transylvanian Museum Society, Cluj Napoca, Romania

Popularization of tear and saliva research in form of TV shows, radio interviews, lectures, and science popularizing articles

Lecture for students of the István Hatvani Szakkolégium, Debrecen

Spoken languages

Hungarian (native)

English (fluent - Certificate in Advanced English)

Romanian (fluent)