

Zsofia E. Kalman



CONTACT

Email:

kalman.zsofia.etelka@itk.ppke.hu

LinkedIn:

www.linkedin.com/in/zsofia-e-kalman

RESEARCH INTEREST

protein-protein interactions
short linear motifs
protein structures

SKILLS

Biocuration: Disprot, ELM,
MFIB, PSINDB, Intact

MD simulation of synaptic
protein complexes

Basic Python skills for
sequence and structural
analysis

EDUCATION

PhD in Biology
2018-2022

Medical
biotechnology MSc
2016-2018

Bioengineering BSc
2012-2016

SCIENTOMETRICS

Nr. scientific
publications: 9*
Citations: 546*
h-index: 4*

*: according to Google Scholar

EXPERIENCE

FEBS Short Term Fellowship

Uppsala University 2025
PI: Ylva Ivarsson
Analysis of viral SLiMs

Senior Lecturer

Pazmany Peter Catholic University 2025-
Faculty of Information Technology and Bionics
Advanced Sequence Analysis, Integrated Structural Bioinformatics

Research fellow

Pazmany Peter Catholic University 2023-2025
Faculty of Information Technology and Bionics
PI: Zoltán Gáspári
Analysis of SH3 domains
Synaptic protein bioinformatics (GKAP, Shank, Homer)

Erasmus+ fellowship, Visitor scientist

European Molecular Biology Laboratory 2022-2023
Biological sequence analysis group
PI: Toby Gibson
Analysis of synaptic SLiMs

PhD student

Pazmany Peter Catholic University 2018-2023
Faculty of Information Technology and Bionics
PI: Zoltán Gáspári
Sequence analysis and structural bioinformatics
of coiled-coils, Development and analysis of Postsynaptic
Interaction Database: <https://psindb.itk.ppke.hu>

Research Institute of Agricultural Biotechnology 2017-2018
Department of Genomics - Agricultural Genomics
and Bioinformatics
PI: Endre Barta
Bioinformatic analysis of red deer cistrome

Semmelweis University 2016-2017
Department of Medical Chemistry,
Molecular Biology and Pathobiochemistry
PI: Miklós Csala

Investigation of lipotoxicity induced by fatty acids
Research Institute of Agricultural Biotechnology 2014-2016
Department of Genomics - Applied Wild
and Farm Animal Genomics Group
PI: Viktor Stéger
Development of DNA markers for population
genetic studies of red deer

AWARDS AND FUNDING

Short Term Fellowship 2025
FEBS

University Research Fellowship Programme 2024
National Research, Development and Innovation Fund

Erasmus+ Mobility Fellowship 2022
European Commission

New National Excellence Programme 2019
Ministry of National Resources

National Scientific Students' Ass. 1st place 2015
Council of National Scientific Students' Association

