



Curriculum Vitae

Personal information **Dániel Kovács**

Work experience

04.2025. - present
Quality Assessor
National Center for Public Health and Pharmacy
Hungary

Education and training

09.2020 - 09.2024
PhD in Genetics
Eötvös Loránd University, Doctoral School of Biology
Hungary

09.2018 - 09.2020
MSc in Molecular Genetics, Cell and Developmental Biology
Eötvös Loránd University, Faculty of Science
Hungary

09.2014 - 09.2018
BSc in Biology
Eötvös Loránd University, Faculty of Science
Hungary

Additional information

Publications

- Kovács, D., Biró, J. B., Ahmed, S., Kovács, M., Sigmond, T., Hotzi, B., Varga, M., Vincze, V. V., Mohammad, U., Vellai, T., & Barna, J. (2024). Age-dependent heat shock hormesis to HSF-1 deficiency suggests a compensatory mechanism mediated by the unfolded protein response and innate immunity in young *Caenorhabditis elegans*. *Aging Cell*, 00, e14246. <https://doi.org/10.1111/acer.14246>
- Kovács, D., Kovács, M., Ahmed, S. et al. Functional diversification of heat shock factors. *BIOLOGIA FUTURA* 73, 427–439 (2022). <https://doi.org/10.1007/s42977-022-00138-z>
- Kovács D, Sigmond T, Hotzi B, Bohár B, Fazekas D, Deák V, Vellai T, Barna J. HSF1Base: A Comprehensive Database of HSF1 (Heat Shock Factor 1) Target Genes. *International Journal of Molecular Sciences*. 2019; 20(22):5815. <https://doi.org/10.3390/ijms20225815>
- Rakvács, Z., Kucsma, N., Gera, M. et al. The human ABCB6 protein is the functional homologue of HMT-1 proteins mediating cadmium detoxification. *Cell. Mol. Life Sci.* 76, 4131–4144 (2019). <https://doi.org/10.1007/s00018-019-03105-5>

Projects

Grants Held

- Joseph Cours Scholarship 2024
- New National Excellence Program of the Ministry for Culture and Innovation from the source of the National Research, Development and Innovation Fund 2023-2024
- New National Excellence Program of the Ministry for Culture and Innovation from the source of the National Research, Development and Innovation Fund 2022-2023
- New National Excellence Program of the Ministry for Culture and Innovation from the source of the National Research, Development and Innovation Fund 2021-2022

Memberships

Participation and Presentations at Scientific Conferences

- XXIII. Genetikai Műhelyek Magyarországon Minikonferencia
2024.09.06 - Szeged
Age-dependent hormesis to HSF-1 deficiency suggests a compensatory mechanism mediated by the unfolded protein response and innate immunity response in young *Caenorhabditis elegans*
- The 2024 European Worm Meeting

- 2024.07.01-03 – Urecht
Age-dependent hormesis to HSF-1 deficiency suggests a compensatory mechanism mediated by the unfolded protein response and innate immunity response in young *Caenorhabditis elegans*
3. DSB Conference 2023
2023.12.06 – Budapest
Age dependent hormesis to HSF 1 deficiency suggests a compensatory mechanism mediated by unfolded protein response of the ER in *Caenorhabditis elegans*
4. V. Sejt-, Fejlődés- és Össejtbiológiai (SFB) Konferencia
2023.10.27 – Budapest
Heat shock factor 1 functions in alleviating ER-stress in *Caenorhabditis elegans*
5. 24th International *C. elegans* Conference 2023
2023.06.24-28 – Glasgow (online)
Inactivation of HSF-1 results in the age dependent increase of thermotolerance mediated by the unfolded protein response of the ER
6. Hungarian Molecular Life Science Conference 2023
2023.03.24-26 – Eger
Exploring how the heat shock transcription factor 1 HSF-1 activates transcription of its target genes in *Caenorhabditis elegans*
7. XXI. Genetikai Műhelyek Magyarországon Minikonferencia
2022.09.09 - Szeged
A HSF-1 életkor függő szerepe a fonálféreg *Caenorhabditis elegans* stressz tűrésében
8. European Worm Meeting 2022
2022.07.27-30 – Vienna
Age dependent hormetic response to HSF-1 depletion suggests a compensatory mechanism of unfolded protein response in *Caenorhabditis elegans*
9. Hungarian Molecular Life Science Conference 2021
2021.11.05-07 – Eger
Age dependent hormetic response to HSF-1 depletion suggests a compensatory mechanism of cellular stress signaling in *Caenorhabditis elegans*

Other Relevant Information