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# PIANOFORTE travel grant for early career researchers activity report

**Rebeka Liebl**, National Center for Public Health and Pharmacy, Hungary

**Event:** 49<sup>th</sup> European Radiation Research Society (ERRS) Annual Meeting, Brussels, 02-04.09.2025

Thanks to a successful application for the PIANOFORTE travel grant, I had the opportunity to attend the 49<sup>th</sup> European Radiation Research Society (ERRS) meeting held in Brussels, Belgium, between 2-4 September 2025. As part of the program, I was honored to present my latest research findings in a poster presentation on 3 September.

The conference brought together a diverse range of topics; with about 100 oral presentations and 24 poster presentations, it offered a rich overview of current advancements in radiation effects, radiation protection, environmental consequences of radiation exposure, and space radiation and exploration health risks. The title of my poster was „*Ionizing radiation and extracellular vesicles induce senescence and coordinated miRNA changes in bone marrow and bone*“. My poster focused on that ionizing radiation, extracellular vesicles, and their combination can trigger cellular senescence in both bone marrow and bone tissue, accompanied by changes in miRNA profiles. The ERRS conference was a great experience to learn, connect, and grow professionally in the field of radiation biology. During the event, I was able to deepen my understanding of microRNA profiling, biomarker studies, radiation protection, and how radiation affects cellular alterations such as senescence. Many of the presentations were closely aligned with my research interests, and the poster sessions gave me a chance to have valuable discussions with other scientists. I also attended the ERRS General Assembly as an observer, where key agenda items were discussed, including a summary of the past year's activities and plans for future conferences. I am truly grateful to the PIANOFORTE travel grant for making it possible for me to attend this inspiring conference.

Yours sincerely,

Rebeka Liebl

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