

**Twinning to Skyrocket Scientific Excellence Towards Individual  
Radiosensitivity Prediction by Raising the Bar in Knowledge  
Transfer, Networking, and Technological Innovation in  
Radiobiology**

**RadExIORSBoost Project Workshop 7**

**PROGRAMME**

**“DNA Damage and Genotoxicity Testing in  
Cancer Risk Assessment”**

**Vienna, 4-8 May 2026 and online**

**Venue: Center for Cancer Research, Medical  
University of Vienna, Borschkegasse 8a, 1090  
Vienna, Austria**



### 4.5.2026.

- 10:00 – 10:15** Welcome of participants
- 10:15 – 11:00** Knasmueller/Misik - Introduction to genotoxicity testing (**online**)
- 11:00 – 11:10** Break
- 11:10 – 12:00** M. Misik - Bacterial genotoxicity testing (**online**)
- 12:00 – 13:00** Break
- 13:00 – 13:45** F. Ferk - Comet assay: basic principles (**online**)
- 13:45 - 14:15** M. Misik – The micronucleus assay in vitro and genotoxicity assessment (**online**)
- 14:15 – 14:30** Break
- 14:30 – 15:15** A. Nersesyan - Cytogenic tests in vivo and in vitro: Application for occupational and lifestyle factors monitoring (**online**)
- 15:15 - 15:30** Discussion

### 5.5.2026.

- 09:15 – 10:00** F. Ferk - Recommendations for the use of single cell gel electrophoresis assay in human intervention studies (**online**)
- 10:00 – 11:00** P. Heffeter - Anticancer drug development: from bench to bedside (**online**)
- 11:15 - 12:00** S. Knasmueller - Sensitivity and specificity of genotoxicity assays (**online**)
- 12:00 – 13:00** Break
- 13:00 - 13:45** A. Nersesyan – The micronucleus experiments with cancer patients (**online**)
- 13:45 - 14:00** Break
- 14:00-14:45** M. Kundi - Genotoxic and cytotoxic effects of electromagnetic fields (**online**)
- 14:45 - 15:15** Discussion



**6.5.2026.**

**11:30 - 12:00**    **M. Misik** – Use of AI in publication preparation (**online**)

**14:30 - 15:30**    **M. Misik** - Glyphosate and cancer risk – mix of science and politics (**online**)

**7.5.2026.**

**11:00 - 12:00**    **M. Misik** - Cancer and environment (focused on DNA damage) (**online**)