

**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 6

PROGRAMME

**“Radiosensitisation of malignant tumors
with electroporation-based therapies”**

Ljubljana 2-6 February 2026 and online

**Venue: Institute of Oncology Ljubljana, Zaloška
cesta 2, Ljubljana, Slovenia**



Link to the hybrid event:

Join Zoom Meeting

<https://zoom.us/j/98127366851?pwd=wXyfFU0nCYjqZ75bDOUId3DeayKUmG.1>

Meeting ID: 981 2736 6851

Passcode: 219667

2 February 2026

10:30 – 11:00 **Welcome of participants**

11:00 – 12:30 **Workshop 6**

11:00 – 11:45 Urška Kamenšek: Plasmid vectors in cancer therapy: from molecular cloning and preclinical evaluation to gene electrotransfer and in situ vaccination. OI Ljubljana

11:45 – 12:30 Maša Omerzel: DNA sensing after gene electrotransfer. OI Ljubljana

3 February 2026

10:30 – 12:00 **Workshop 6**

10:30 – 11:15 Boštjan Markelc: Vascular effects of electroporation and electrochemotherapy. OI Ljubljana

11:15 – 12:00 Miroslav Mišik: Investigations into radiation-induced DNA damage for the prediction of adverse health effects caused by radiotherapy in prostate cancer patients: a review. Part I. Center for Cancer Research, MUW

4 February 2026

09:00 – 10:30 **Workshop 6**

09:00 – 09:45 Tanja Jesenko: Radiosensitization with anti-angiogenic plasmid targeting endoglin (CD105). OI Ljubljana

09:45 – 10:30 Siegfried Knasmüller: Investigations into radiation-induced DNA damage for the prediction of adverse health effects caused by radiotherapy in prostate cancer patients: a review. Part II. Center for Cancer Research, MUW



5 February 2026

10:30 – 12:00 Workshop 6

10:30 – 12:30 Round table: Radiobiology 2026–2030: Capabilities, Gaps, and a Joint Research Roadmap. Moderator: Maja Čemažar

Panelists: Tatjana Stanojković (IORS), Marina Nikitović (IORS), Ivana Matić (IORS), Nina Petrović (IORS), Siegfried Knasmueller (MUW), Miroslav Mišić (MUW), Marlon Veldwijk (UHEI), Gregor Serša (OI Ljubljana), Aleš Grošelj (OI Ljubljana), Boštjan Markelc (OI Ljubljana).

6 February 2026

09:00 – 10:30 Workshop 6

09:00 – 09:45 Simona Kranjc Brezar: Radiosensibilization with electrochemotherapy. OI Ljubljana

9:45 – 10:30 Boštjan Markelc: The effects of irradiation on tumor endothelial cells. OI Ljubljana.