

Abstract Topics

Abstract submission is now closed.

- A1. Which conditions appear to be best for FLASH RT in a) deep seated tumours, b) superficial tumours (eg. radiation type, dose rate, dose, dose per pulse, dose delivery, total irradiation time)
- A2. Quality assurance and real time dosimetry for FLASH RT measurement of FLASH doses, detector systems
- A3. Facility Overviews; How FLASH RT is delivered: electrons, photons, protons, heavy ions: equipment involved, how beam is delivered, experimental end stations etc?
- A4. FLASH radiation protection; simulation and measurement for research and clinical treatment
- A5. New horizons in FLASH laser driven ions, VHEE etc.
- B1. Mathematical modelling of the FLASH effects: Monte Carlo and other codes
- B2. Physico-Chemistry: FLASH chemistry, oxygen contribution, ROS
- B3. Biology 1 in vitro studies
- B4. Biology 2 in vivo pre-clinical studies
- B5. Flash and drug / immune radiation combinations
- C1. QA and dosimetry for the clinic
- C2. TPS and clinical delivery of FLASH
- C3. Veterinary studies and trials
- C4. Human Clinical trials,
- C5. Health Economics for FLASH RT
- D1. Modalities and delivery of spatially fractionated radiotherapy, experimental results
- D2. Mechanisms: modelling of SFRT; biological mechanisms and experimental studies
- D3. Taking SFRT into the clinic, QA and dosimetry, treatment planning, patient and veterinary studies
- D4. Interface between FLASH and SFRT
- E1. Pan European studies arising from EU projects for example INSPIRE, UHDpulse, HITRiplus and RAPTOR

E2. Challenges and successes resulting from International or national collaborations in proton and ion therapy (eg. Common dosimetry, benchmarking, international and national intercomparisons and audits, databases and datasets, animal model systems etc.

E3. Proton therapy (how to build, install, commission and operate a proton therapy centre, lessons learnt, do you need a research capability, how many patients might benefit from proton therapy, indications, other insights)