Non-targeted effects of ionising radiation (NOTE) – a new European Integrated project, 2006-2010

Oleg V. Belyakov1, Eric G. Wright2, Guido Hildebrandt3, Munira Kadhim4, Mark P. Little5, Kevin M. Prise6, and Sisko Salomaa1

1STUK - Radiation and Nuclear Safety Authority, Helsinki, Finland; 2University of Dundee, Scotland, UK; 3University of Leipzig, Germany; 4Oxford Brookes University, UK; 5Imperial College Faculty of Medicine, London, UK; 6Queen's University Belfast, UK

General information
- Start date of the project: 1 September 2006
- Duration: 48 months
- 20 partner organisations
- Coordinating organisation: STUK - Radiation and Nuclear Safety Authority
- Project coordinator: Prof. Sisko Salomaa
- EURATOM Specific Programme for Research and Training on Nuclear Energy, 6th Framework Program
- Budget: 11.89 M€
- EC contribution: 6.33 M€

General objectives of the NOTE IP
- To investigate the mechanisms of non-targeted effects, in particular, bystander effects, genomic instability and adaptive response.
- To investigate if and how non-targeted effects modulate the cancer risk in the low dose region, and whether they relate to protective or harmful functions.
- To investigate if ionising radiation can cause non-cancer diseases or beneficial effects at low and intermediate doses.
- To investigate individual susceptibility and other factors modifying non-targeted responses.
- To assess the relevance of non-targeted effects for radiation protection and to set the scientific basis for a modern, more realistic, radiation safety system.
- To contribute to the conceptualisation of a new paradigm in radiation biology that would cover both the classical direct (DNA-targeted) and non-targeted (indirect) effects.

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