

ICRP 2021+1 Symposium Report

Stockholm, 2022 11 19

The 6th International Symposium on the System of Radiological Protection, held during 7-10th November 2022 in Vancouver (Canada), exposed the current status of the System of Radiological Protection (RP) and served to present and discuss the future plans of ICRP towards the review and revision of the RP System with the international radiological protection community. Moreover, given the Symposium location, it allowed a profound exchange of ideas between ICRP and the Canadian experts in radiological protection. With an extensive audience, i.e. nearly 500 participants from 61 countries, the Symposium proved indeed successful in delivering the key messages on different RP areas covered both by e-posters, for which nearly 3500 views were registered on the last day, and oral presentations. The programme included sessions on the following topics:

- Review and refinement of the fundamentals of radiological protection
- Effects and the system of radiological protection
- Emerging domains of radiological protection
- Broadening optimisation of protection
- Optimisation of protection in emergency response and recovery
- Advances in medical radiological protection
- Optimisation of radiological protection at nuclear power plants and the nuclear fuel cycle
- Ethical considerations in the implementation of the system of radiological protection
- Radiological protection and the public
- Innovations in dosimetry
- Learning from experience
- Next steps
- Involving young professionals

Personally, joining the ICRP2021+1 has significantly broadened my awareness of the RP System robustness, challenges, and future perspectives. Considering the trend of decreasing expertise in radiological protection, despite the clear relevance of ensuring the protection of the people and the environment from the detrimental effects of exposure to ionising radiation, I consider that encouraging education and training of young researchers is a crucial step towards the sustainability of the RP system. An effective approach is certainly the active participation of young scientists in pertinent multidisciplinary Symposia. Supported by the travel grant, I had the opportunity to both interact with senior and young professionals, and to present our work on the validation of exon-level gene expression and chromosomal aberrations as biomarkers of response to radiations of different qualities in the format of an e-poster.

With this, I would like to express my gratitude once again to PIANOFORTE travel grant for facilitating my participation in the Symposium.

Yours sincerely,



Milagrosa López Riego
PhD student

Department of Molecular Biosciences, Wenner-Gren Institute (MBW) Centre for Radiation Protection Research (CRPR)
Stockholm University Svante Arrhenius Väg 20C, Room E513 SE-106 91 Stockholm, Sweden
Tel: +46 8 16 41 40 E-mail: milagrosa.lopezriego@su.se



This partnership has received funding from the European Union's "EURATOM" research and innovation program under the 101061037 grant agreement.