

LIST OF PUBLICATIONS

1. S.Barbieri, G.Baiocco, G.Babini, J.Morini, W.Friedland, M.Buonanno, V.Grilj, D.J.Brenner, A.Ottolenghi, "Modelling γ -H2AX foci induction to mimic limitations in the scoring technique", submitted
2. J.Morini, G.Babini, S.Barbieri, G. Baiocco, M.Ciocca, G.B.Ivaldi, M.Liotta, S.Molinelli, P.Tabarelli de Fatis, A.Ottolenghi, "A comparison between X-rays and carbon ions irradiation in human neural stem cells", submitted.
3. H.Rabus, S.Barbieri, G.Baiocco, A.Ottolenghi, U.Giesen, "Investigation into uncertainty contributions in foci-based assays", submitted.
4. G.Baiocco, L.Bocchini, M.Giraud, S.Barbieri, L.Narici, C.Lobascio, A.Ottolenghi, Innovative solutions for personal radiation shielding in space, submitted.
5. G.Baiocco, M.Giraud, L.Bocchini, S.Barbieri, I.Locantore, E.Brussolo, D.Giacosa, L.Meucci, S.Steffenino, A.Ballario, B.Barresi, R.Barresi, L.Ravagnolo, M.Benassai, L.Narici, A.Rizzo, E.Carrubba, F.Carubia, G.Neri, M.Crisconio, S.Piccirillo, G.Valentini, S.Barbero, M.Giacci, C.Lobascio, A. Ottolenghi, "A water-filled garment to protect astronauts during interplanetary missions tested on board the ISS", submitted.
6. J.Morini, G.Babini, S.Barbieri, G.Baiocco, G.B.Ivaldi, M.Liotta, P.Tabarelli de Fatis, A.Ottolenghi "X-rays irradiation of Caco-2 cell line co-cultured with Peripheral Blood Mononuclear Cells", Journal of Visualized Experiments, 2018.
7. G.Baiocco, S.Barbieri, G.Babini, J.Morini, W.Friedland, P.Kundrát, E.Schmitt, M.Puchalska, U.Giesen, R.Nolte, A.Ottolenghi, "At the physics-biology interface: the neutron affair", Radiation Protection Dosimetry, 2017.
8. G.Baiocco, M.Vuolo, S.Barbieri, L.Bocchini, M.Giraud, T.Gheysens, C.Lobascio, A.Ottolenghi, "Exploring innovative radiation shielding approaches in space: a material and design study for a wearable radiation protection spacesuit", Life Sciences in Space Research, 2017.
9. W.Friedland, E.Schmitt, P.Kundrát, G.Baiocco, S.Barbieri, A.Ottolenghi, "Comprehensive track-structure based evaluation of DNA damage by light ions from radiotherapy relevant energies down to stopping", Scientific Reports, 2017.
10. J.Morini, G. Babini, S.Barbieri, G.Baiocco, A.Ottolenghi, "The interplay between radioresistant Caco-2 cells and the immune system increases epithelial layer permeability and alters signaling protein spectrum", Frontiers in Immunology, 2017.
11. G.Baiocco, S.Barbieri, G.Babini, J.Morini, D.Alloni, W.Friedland, P.Kundrát, E.Schmitt, M.Puchalska, L.Sihver, A.Ottolenghi, "An ab initio approach to trace back the origin of neutron biological effectiveness as a function of energy", Scientific Reports, 2016.
12. D.H.Hamdi, S.Barbieri, F.Chevalier, J.E.Groetz, F.Legendre, M.Demoor, P.Galera, J.L.Lefaix, Y.Saintigny, "In vitro engineering of human 3D chondrosarcoma: a preclinical model relevant for investigations of radiation quality impact", BMC Cancer, 2015.

Pavia, 17/02/2017

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