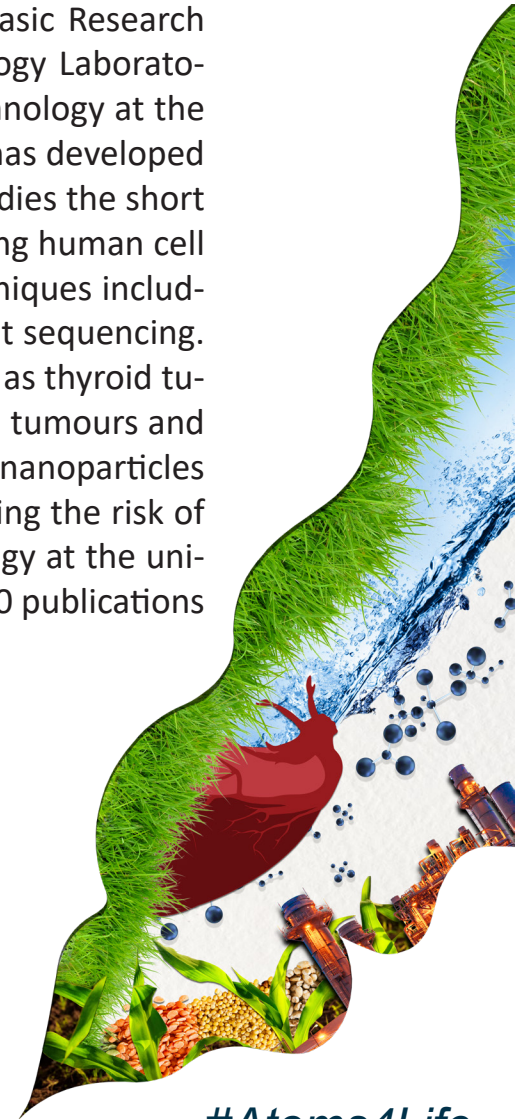




Ms Sylvie Chevillard

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Sylvie Chevillard is a senior scientist and Research Director at the Basic Research Division at the CEA in France. She heads the Experimental Cancerology Laboratory and Department of Experimental Radiobiology and Innovative Technology at the French National Institute of Health and Medical Research. Chevillard has developed research on radiotoxicology and radiation biology. Specifically, she studies the short and long terms effects of high and low doses of ionising radiation, using human cell lines, animal models and clinical tumour samples using different techniques including cytogenetics, molecular biology, biochemistry and high throughput sequencing. She has published transcriptomic signatures of tumour aetiology such as thyroid tumours developed after radiation exposure (post-radiotherapy induced tumours and post-Chernobyl tumours). Recently she started to explore the field of nanoparticles for enhancing radiotherapy efficacy and to set up methods for analysing the risk of nanoparticles for human health. She teaches radiobiology and oncology at the university to masters and doctoral students. She is author of more than 90 publications and is co-inventor of close to fifteen patents.



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