

## Dr. Dominique Laurier



Dominique Laurier holds a PhD degree in Biomathematics from the Paris-Diderot University in Paris, France. His studies included nutrition, epidemiology and biostatistics. He has been employed for a few years as a lecturer in biostatistics at the Paris-Diderot University, period during which he worked in the field of cardiovascular diseases epidemiology. He joined the epidemiological unit of the French Institute for Radiological Protection and Nuclear Safety (IRSN) in 1995. This research unit is conducting epidemiological studies of the health effects of environmental, occupational and medical exposures to ionizing radiation. He became the head of this unit in 2008.

His field of expertise is radiation epidemiology, especially toward the assessment of long term health risks associated to ionising radiation exposure at low doses and low dose rates. His special interests in the field are the modelling of the dose-risk relationship, the quantification of radon associated risks and the analysis of the effects of internal contaminations, of the effects of exposure during childhood and of non-cancer effects.

D. Laurier has been involved in several collaborative research projects, especially at the European level: leader of a work-package dedicated to uranium miners in the “Alpha-risk” research project (EC FP6, 2005-2009); task leader in the DoReMi European network (EC FP7, 2010-2015); member of the advisory board of the EPI-CT project on childhood CT scans (EC FP7 2011-2016); partner in the international study of nuclear workers INWORKS (IARC, 2012-2014); coordinator of the CURE concerted action on uranium contamination (DoReMi, 2013-14)... He also organised an international scientific workshop on childhood leukaemia risks in the Frame of the MELODI European platform (2012). D. Laurier is the author or co-author of more than 90 articles in peer-reviewed scientific journals.

He has been involved in scientific committees and expert groups in the fields of radiation protection, public and occupational health, in France (National Institute of Health (Inserm), Nuclear Safety Authority (ASN), Department of Defence (OSV), High Council for Public Health (HCSP), Health Security Agency (Anses)) and at the international level (WHO expert group for the health risk assessment of the Fukushima accident, expert advice to the MELODI association...).

D. Laurier involvement with the International Commission on Radiological Protection began in 2006, as a member of Task Group 64 that aimed to evaluate cancer risks associated to exposure to alpha emitters and that developed ICRP Publication 115 on radon. He is also involved in Task Group 92, with the goal to review the terms and definitions used by ICRP. He became a member of ICRP Committee 1 in 2013.