



BARBARA LE BOT

From France to Sweden



Project: **Oral bioaccessibility of toxic compounds in indoor settled dust**

Research topic: **Medecine & Health**

Swedish Institution: **Swedish Toxicology Sciences Research Center (SWETOX)**

French Institution: **French School of Public Health Studies (EHESP)**

Dates of mobility: **02/04/2017 to 07/04/2017**

Program: **SFVE-A (ex-TOR)**



PRESENTATION

[Barbara Le Bot](#) is Professor of Analytical Chemistry at the French School of Public Studies ([EHESP](#)) and Deputy Director of the Environment and Health Research Laboratory ([LERES](#)) of the EHESP at the National Institute of Health and Medical Research ([INSERM](#)) in Rennes. She is interested in the effects of human exposure to environmental pollutants and the development of an analytical chemistry method to measure the exposure and impregnation. She obtained her PhD in Analytical Chemistry from the [University of Nantes](#) in 1996 and was habilitated (HDR) at the [University of Rennes](#) in 2011.

ACTIVITIES IN SWEDEN

Barbara Le Bot started her mobility at [Umeå University](#), where she met researchers from [SWETOX](#), the Swedish Toxicology Sciences Research Centre. With [Åsa Gustafsson](#), she planned future collaborations on among others the influence of granulometric fractions on concentrations of pollutants and examined bioaccessibility of inhalable indoor dust samples containing endocrine disruptors, for which initial investigations by Le Bot's PhD student [Gaëlle Raffy](#) at the EHESP have commenced. She also had fruitful discussions on indoor chemical exposure with [Dr. Bo Glas](#), Chemist [Peter Haglund](#), Pharmacologist [Jerker Fick](#), and Prof. [Patrick Anderson](#), head of the [Department of Chemistry](#), with whom a complementary modelling approach was envisaged. She also held a seminar on human exposure to environmental contaminants. She then journeyed to Södertälje, where she met other additional SWETOX researchers: [Annette Kraiss](#) ([Lund University](#)), [Ulf Norinder](#) and [Daniel Mucs](#) (who also developed a modelling approach as opposed to *in vivo* methodologies), and [Åke Bergman](#), Director of SWETOX. Le Bot had the opportunity to visit SWETOX's animal housing facility, experimental infrastructures that are not available at the EHESP and that could be subject to future collaborations. They planned a workshop on bioaccessibility at the 2018 International Society for Exposure Sciences ([ISES](#)) conference, and complementary research on inhalation (SWETOX) and ingestion (EHESP).