


Name/Surname		Isabel M. DOS SANTOS SILVA, Professor
Affiliation		Department of Non-communicable Disease Epidemiology, London School of Hygiene & Tropical Medicine, London, UK
IARC Host Group		Section of Environment and Radiation (ENV), IARC, Dr J. Schüz and Dr V. McCormack
Speciality		Epidemiology of breast cancer and mammographic density; pre-natal and early-life origins of breast cancer; identifying new low-penetrance breast cancer susceptibility alleles; health effects of exposure to ionising and non-ionising radiation; cancer in low and middle-income countries (LMICs)
Academic Degrees		M.D. 1983 (Universidade Clássica, Lisbon), M.Sc. 1987 (Demography) and PhD 1995 (Epidemiology), London School of Hygiene & Tropical Medicine, London, UK
Selected Publications		<ul style="list-style-type: none"> - dos Santos Silva I, De Stavola B, Pizzi C, Evans A, Evans SA. Cancer incidence in professional aircrew and air traffic control officers: disentangling the effect of occupational versus lifestyle-related risk factors. <i>Int J Cancer</i> 2013; 132: 374-84 - Johnson N, Walker K, Gibson LJ, Orr N, Folkard E, Haynes B, Palles C, Coupland B, Schoemaker M, Jones M, Broderick P, Sawyer E, Kerin M, Tomlinson IP, Zvelebil M, Chilcott-Burns S, Tomczyk K, Simpson G, Williamson J, Hillier SG, Ross G, Houlston RS, Swerdlow A, Ashworth A, Dowsett M, Peto J, dos Santos Silva I, Fletcher O. Impact of CYP3A variation on oestrogen levels and breast cancer risk. <i>J Natl Cancer Inst</i> 2012; 104: 657-69 - Vachon CM, Scott CG, Fasching PA, (...), Pankratz VS, Hopper JL, dos Santos Silva I. Common breast cancer variants in LSP1 and RAD51L1 associated with mammographic density markers of susceptibility to the disease. <i>Cancer Epidemiol Biomark Prev</i> 2012; 21: 1156-66 - Pinto Pereira S, McCormack V, Hipwell J, Record C, Wilkinson L, Moss S, Hawkes D, dos Santos Silva I. Localized fibroglandular tissue as a predictor of future tumour location within the breast. <i>Cancer Epidemiol Biomark Prev</i> 2011; 20, 1718-25 - Fletcher O, Johnson N, Orr N, Hosking FJ, Gibson LJ, Walker K, Zelenika D, Gut I, Heath S, Palles C, Coupland B, Broderick P, Schoemaker M, Jones M, Williamson J, Chilcott-Burns S, Tomczyk K, Simpson G, Jacobs KB, Chanock SJ, Hunter DJ, Tomlinson IP, Swerdlow AJ, Ashworth A, Ross G, dos Santos Silva I, Lathrop M, Houlston RS, Peto P. Novel Breast Cancer Susceptibility Locus at 9q31.2: Results of a Genome-Wide Association Study. <i>J Natl Cancer Inst</i> 2011; 103: 425-35 - Walker K, Fletcher O, Johnson N, Coupland B, McCormack VA, Folkard E, Gibson L, Hillier SG, Holly JM, Moss S, Dowsett M, Peto J, dos Santos Silva I. Premenopausal mammographic density in relation to cyclic variations in endogenous sex hormone levels, prolactin, and insulin-like growth factors. <i>Cancer Res</i> 2009; 69: 6490-9 - dos Santos Silva I, De Stavola B, McCormack V, Collaborative Group on Pre-Natal Risk Factors and Subsequent Risk of Breast Cancer. Birth size and breast cancer risk: re-analysis of individual participant data from 32 studies. <i>PLoS Med</i> 2008; 5: e193. doi:10.1371/journal.pmed.0050193 - Johnson N, Fletcher O, Naceur-Lombardelli C, dos Santos Silva I, Ashworth A, Peto J. Interaction between CHEK2*1100delC and other low-penetrance breast-cancer susceptibility genes: a familial study. <i>Lancet</i> 2005; 366: 1554-7 - De Stavola BL, dos Santos Silva I, McCormack V, Hardy RJ, Kuh DJ, Wadsworth ME. Childhood growth and breast cancer. <i>Am J Epidemiol</i> 2004;

	159:671-82 - McCormack VA, dos Santos Silva I, De Stavola BL, Mohsen R, Leon DA, Lithell HO. Fetal growth and subsequent risk of breast cancer: results from long term follow up of Swedish cohort. <i>Br Med J</i> 2003; 326: 248-253
Programme at IARC	Development of novel methodological approaches to the study of cancer epidemiology and control in Africa. Up-dating IARC textbook on cancer epidemiology.
Short background	<p>2009 – July 2012: Professor of Epidemiology, Head of Department of Non-Communicable Disease Epidemiology, London School of Hygiene & Tropical Medicine, London, UK</p> <p>2007 – 2009: Professor of Epidemiology, Head of Cancer Research UK Epidemiology and Genetics Group, London School of Hygiene & Tropical Medicine, London, UK, jointly with Professor J. Peto</p> <p>2004 – 2007: Reader in Epidemiology, Head of Cancer Research UK Epidemiology and Genetics Group, London School of Hygiene & Tropical Medicine, London, UK, jointly with Professor J. Peto</p> <p>1995 – 2004: Senior Lecturer in Epidemiology, London School of Hygiene & Tropical Medicine, London, UK</p> <p>Teaching I teach in a large number of MSc courses at the London School of Hygiene and Tropical Medicine (LSHTM), including the in-house MSc Epidemiology. I was co-responsible for the development of the teaching material for the LSHTM distance learning MSc Epidemiology course. I have organised and taught in a large number of courses overseas including various international epidemiological courses organised by the International Agency for Research on Cancer (IARC) and the International Epidemiological Association (IEA). I wrote the IARC textbook on “Cancer Epidemiology: Principles and Methods”, which is currently being updated. I have supervised several MSc and PhD students.</p> <p>Research Most of my current research includes studies on the pre-natal and early-life origins of breast cancer and breast tissue composition; various prospective studies on endogenous levels of female sex hormones and growth factors and their relation to mammographic density and subsequent risk of breast cancer; association studies aimed at identifying new low-penetrance breast cancer susceptibility alleles; evaluation of alternative methods of quantifying breast density in analogue and digital mammography; studies on the health effects of exposure to ionising and non-ionising radiation; and cancer studies in low- and middle-income countries (LMICs).</p>
Institutional webpage:	http://www.lshtm.ac.uk
Personal webpage:	http://www.lshtm.ac.uk/aboutus/people/dos%20santos%20silva.isabel