

Curriculum Vitae

Last name, First name: Rushton, Lesley

Gender: Female

Nationality: British

Overall Scientific Expertise:

Principal investigator for many collaborative multidisciplinary epidemiological and statistical research programmes in environment and occupation, including health studies in the petrochemical, silica sand and printing industries, investigation of indoor/outdoor air pollution in relation to children. A major study involved estimating the current and future burden of cancer due to occupation in the UK. On-going studies include (i) development of an occupational module for UK Biobank and (ii) comparison of NOAELs from animal studies with those from human studies and development of meta-analytical methodology for derivation of an integrated NOAEL. Methodological research includes systematic review and meta-analysis in the areas of risk assessment and cross-design synthesis.

Professional Experience

| Years employed from – to | Title of position | Employer – name and location | Areas of professional specialisation |
|--------------------------|---------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------|
| 2005- | Reader in Occupational Epidemiology | Imperial College London | Epidemiology and statistics in environment and occupational health |
| 1998-2005 | Head of Epidemiology | Medical Research Council Institute for Environment and Health, Leicester | Epidemiology and statistics in environment and occupational health |
| 1991-1998 | Senior Lecturer in Medical Statistics | Department of Epidemiology and Public Health, University of Nottingham | Public health and occupational research |
| 1982-1991 | Senior Lecturer in Statistics | Thames Polytechnic, Woolwich | Statistics, occupational epidemiology and exposure assessment |
| 1976-1982 | Research Fellow | Institute of Cancer Research, Sutton | Occupational epidemiology |
| 1973-1975 | Research assistant | Wessex Regional Health Authority, Winchester | Statistics |
| 1972-1973 | Research assistant | Imperial College Field Station, Ascot | Ecological statistics |

Educational Background

| Year | Degree awarded | Educational Institution – name and location | Areas of educational specialisation |
|------|------------------------|---------------------------------------------|-------------------------------------|
| 1993 | Chartered Statistician | Institute of Statisticians | Statistics |
| 1982 | PhD | University of London | Statistics/Community Medicine |
| 1972 | MSc | University of Sussex | Statistics |
| 1971 | BA | University of Oxford | Mathematics |

Memberships in Scientific Advisory Bodies/Committees/Panels:

- UK Committee on Carcinogenicity of Chemicals in Food, Consumer Products and the Environment
- External member of ECETOC, (European Centre for Ecotoxicology and Toxicology of Chemicals) Scientific Committee

Memberships in Learned Societies:

Presently member in:

- Royal Statistical Society
- International Commission on Occupational Health
- International Society for Environmental Epidemiology
- Society for Social Medicine

Memberships in Editorial Boards:

- Deputy Editor of Occupational and Environmental Medicine

List of Publications:

Over 150 research papers and book chapters in occupational and environmental health

Boobis A, Flari V, Gosling JP, Hart A, Craig P, Rushton L, Idahosa-Taylor E. Interpretation of the margin of exposure for genotoxic carcinogens - elicitation of expert knowledge about the form of the dose response curve at human relevant exposures. *Food and Chemical Toxicology* 2013; Published on line DOI: <http://dx.doi.org/10.1016/j.fct.2013.03.003>

Hutchings SJ, Rushton L. The Burden of Occupational Cancer in Britain. *Statistical Methodology. Br J Cancer* 2012; 107: S8-S17

Schnatter AR, Glass D, Tang G, Irons RD, Rushton L. Myelodysplastic syndrome and benzene exposure among petroleum workers: an international pooled analysis. *J Natl Cancer Institute* 2012; 104(22): 1724-1737

Hutchings SJ, Cherrie JW, Van Tongeren M, Rushton L. Intervening to reduce the future burden of occupationally-related cancers in Britain: what could work? *Cancer Prevention Research* 2012; 5: 1213-1222

Rushton L, Bagga S, Bevan R, Brown TP, Cherrie JW, Fortunato L, Holmes P, Slack R, Van Tongeren M, Young C, Hutchings SJ. Occupation and cancer in Britain. *British Journal of Cancer* 2010; 102: 1428-1437.

Jones DR, Peters JL, Rushton L, Sutton AJ, Abrams, KR. Interspecies extrapolation in environmental exposure standard setting: a Bayesian synthesis approach. *Regulatory Toxicology and Pharmacology* 2009; 53(3); 217-225.

Peters JL, Sutton AJ, Jones DR, Abrams KR, Rushton L. The contribution of systematic review and meta-analysis methods to human health risk assessment *J Human and Ecological Risk Assessment* 2008; 14(6): 1250-1272