



Professor Ken Donaldson, FRCPath

Occupation: Professor of Respiratory Toxicology

Qualifications: BSc(Hons), PhD, DSc, FIBiol, FRCPath, FFOM

Explanation of Bachelor of Science (Honours)

Qualifications: Doctor of Philosophy

Doctor of Science

Fellow of the Institute of Biology

Fellow of the Royal College of Pathologists

Fellow of the Faculty of Occupational Medicine

Organisation: University of Edinburgh Centre for Inflammation Research

Address: ELEGI Colt Laboratory

Queen's Medical Research Institute

47 Little France Crescent

Edinburgh

EH16 4TJ

[\(View Location Map\)](#)

[\(View Aerial Photo\)](#)

Office Telephone: 0131 242 6580 / 0131 651 1437

Home Telephone: 0131 441 6670

Mobile: 07766 257304

Fax: 0131 651 1558

Email: [\(Click here\)](#).

Email to Fax: [\(Click here\)](#)

web site: www.link.med.ed.ac.uk/ELEGI

CV: [\(Click here\)](#)

Google: [Search Google UK](#)

Publications: [Click here](#)

Legal references: (none at present)

Areas of Expertise: Professor Ken Donaldson is an expert in particle-related lung and respiratory disease and inhalation toxicology relating to :-

Asbestos/asbestosis

Glass fibres

Synthetic vitreous fibres

Naturally occurring fibres
Quartz (crystalline silica)
Coal
Coalmine dust
Organic dusts
Sensitising chemicals
Zeolites
Diesel soot
Combustion particles
Cigarette smoke
Volcanic ash
Tunnel dust from underground railways
Nanoparticles
All types of particles

Career background :-

Professor Ken Donaldson is Professor of Respiratory Toxicology at the Respiratory Medicine Unit of the University of Edinburgh ([web site](#)). He is also Scientific Director of the Edinburgh Lung and the Environment Group Initiative (ELEGI) Laboratory - a collaborative venture that brings together researchers to work on air pollution and the lung (see 'web' link, above). The main diseases that are studied are those caused by cigarette smoke and particles of various sorts.

He has a PhD and a DSc from the University of Edinburgh and a BSc(Hons) (First Class) in Biology from the University of Stirling and is a Fellow of several distinguished societies, including the Royal College of Pathologists. Professor Donaldson has carried out research into the effects of particles and lung disease for 20 years and has co-authored more than 200 published papers and textbook chapters on this area of research. He sits on the Committee on the Medical Effects of Air Pollution - an advisory committee of independent experts that provides advice to UK Govt. Departments and Agencies on all matters concerning the potential toxicity and effects upon health of air pollutants ([web site](#)). He has provided expert advice to UK and US agencies such as the UK HSE and the US EPA and NIOSH on particles and lung disease.

Memberships of other professional associations :-

International Volcanic Health Hazard Network ([web site](#))



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