

Symposium 2

Respiratory toxicity and lung pathology (co-sponsored by the British Society for Toxicological Pathology)

Air pollution has received a lot of media and political attention over the last few years, particularly in respect of deaths associated with diesel fuel use. Now other popular fuels such as wood used in wood burning stoves are coming under scrutiny. Further new materials such as nanofibers and particles have the potential to cause lung injury and the likeness of some nanofibers with asbestos fibres has been made. This session will examine the latest research and evidence for lung injury from environmental sources and the technology used for assessing lung injury.

| Title | Speaker | Institution |
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| Responses of the respiratory tract to toxic injury: adverse vs non adverse findings and impact on drug development | Dr Colin Fish | VP, Translation Platform Project Specialist Group IVIVT GSK |
| Nanoparticle and fibre respiratory toxicology | Dr. Rodger Duffin | MRC Fellow/Senior Lecturer, Edinburgh University |
| Adverse health effects of air pollution | Professor Frank Kelly | Kings College, London |
| Distal lung imaging and Sensing – techniques and applications | Dr Kev Dhaliwal | EPSRC Proteus Group |