



Exponent®

Engineering & Scientific Consulting

Lucinda Lillford, M.Sc.

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Professional Profile

Ms. Lillford has 23 years' experience working in Regulatory Genetic Toxicology for a global contract research organisation. During this time, she acquired considerable technical knowledge of in-vitro and in-vivo Genetic Toxicology assays and gained several years' experience as a Study Director, focusing on the Ames, in-vivo Micronucleus, in-vivo Comet and MutaTMMouse assays for a variety of indications including Pharmaceuticals, Agrochemicals and Industrial Chemicals. She was also involved in the Japanese Center for the validation of alternative methods (JaCVAM) organized international comet assay validation exercise.

More recently Ms. Lillford focused on managing a team of scientists developing screening tools to allow early identification of potential genotoxicity and using these assays for high throughput screening in Lead Optimisation. This involved using miniaturised versions of the Ames and in-vitro micronucleus assays and other screening tools in order to predict the outcome of regulatory assays.

Ms. Lillford also has experience of six sigma lean process improvement.

Ms. Lillford works across the Chemical Regulation & Food Safety and Health Sciences practices in the Toxicology group and is a member of the UK Mutagenicity Society.

Academic Credentials & Professional Honors

M.S., Health Sciences, Leeds Metropolitan University (LMU), UK, 2003

B.Sc., Microbial Sciences, Huddersfield University, United Kingdom, 1999

Prior Experience

Labcorp, Genetic Toxicology, 1999-2023

Professional Affiliations

UK Mutagenicity Society

Publications

Hobbs C, Taylor S, Beevers C, Lloyd M, Bowen R, Lillford L, Maronpot R, Hayashi S. Gentotoxicity assessment of the flavouring agent, perillaldehyde. Food and Chemical Toxicology, 2016; 97:232-242

Beevers, C, Henderson D, Lillford L. Investigation of sodium arsenite, thioacetamide and diethanolamine in the alkaline comet assay:Part of the JaCVAM comet validation exercise. Mutation Research, 2015; 786-788

Bowen, D, Whitwell J, Lillford L, Henderson D, Kidd D, McGarry S, Pearce, G, Beevers C, Kirkland D. Evaluation of a multi-endpoint assay in rats, combining the bone-marrow micronucleus test, the Comet assay and the flow cytometric peripheral blood micronucleus test. Mutation Research, 2011; 722:7-19

Lillford L, Beevers C, Bowen D, Kirkland D. RE: DNA damage detected by the alkaline comet assay in the liver of mice after oral administration of tetrachloroethylene. Mutagenesis, 2010;25,133-138