



Exponent®

Engineering & Scientific Consulting

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Professional Profile

Dr. Allen has over 17 years of experience in safety assessment both in the UK and Japan. In recent years, she has focused on weight of evidence based safety assessment by extensively employing alternative methods (in silico, in chemico, in vitro, category, read-across) for human health endpoints. She has also worked on numbers of research for critical toxicological effects, examples of which include reproductive toxicity of several potential endocrine disruptors, predictivity of test methods for certain group of chemicals, and association between pesticide exposure and neurodegenerative disease. Prior to her career in the UK, she gained experience in hazard assessment as a chief technical officer at a Japanese Competent Authority. Her responsibilities included secretariat for an independent scientific committee to review national toxicology study programme. During her career, she represented institution/companies at numbers of occasions, which includes at inter-organisational meetings (OECD), as well as a member of scientific expert group (skin sensitisation, reproductive toxicity).

Academic Credentials & Professional Honors

Ph.D., Health, Cranfield University, United Kingdom, 2008

B.A., Law, Meiji University, Japan, 2002

B.Sc., Agriculture, Meiji University, Japan, 1997

Licenses and Certifications

European Registered Toxicologist

Publications

Allen M, Pellizzaro M, Rebecca S. 2022. Implementation of in silico based read-across assessment for genotoxicity for pesticide residues under EU legislation and key challenges. The 21st International Congress ESTIV 2022. Barcelona, Spain.

Allen, MT, Remuzat, P, Gandhi, S. et al. 2018. Analysis of alternative methods employed for human toxicological data requirement for fragrance ingredients for REACH registration 2010 – 2018. NC3Rs Workshop: Application of non-animal approaches for decision-making in chemical safety assessment, London, England.

Allen MT, Levy L. 2013. Parkinson's disease and pesticide exposure. Public Health England Annual Conference 2013, Warwick, England.

Takamiya Allen M, Levy L. 2013. Parkinson's disease and pesticide exposure – a new assessment. *Crit Rev Toxicol.* 43(6): 515-534.

Ashdown L, Harrison PTC, Holmes P, Takamiya M. 2009. "United Kingdom", in Hakkinen P JB, Kennedy G, Stoss FW, et al (eds.). *Information Resources in Toxicology* (Fourth edition), Elsevier.

Takamiya M, Naresh M, Warner PJ. 2008. Impact assessment of bisphenol A on lignin-modifying enzymes by basidiomycete *Trametes versicolor*. *J Hazard Mater.* 154:33-37.

Takamiya M, Lambard S, Huhtaniemi IT. 2007. Effect of bisphenol A on human chorionic gonadotrophin-stimulated gene expression of cultured mouse Leydig tumour cells. *Reprod Toxicol.* 24:265-275.