

Objectives and outline of the workshop - 2021

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Objectives

23. The application of alternative strategies to health risk assessment in a regulatory context requires effective collaborations between scientists including chemists, toxicologists, informaticians, computational biologists, risk assessors, and policy makers. As such, this workshop drew upon speakers and delegates (~80) with varied backgrounds including academia, industry, and regulatory agencies whose collective experience is diverse and multi-disciplinary.

24. This workshop on PBPK modelling techniques thus provides a platform from which to address the following objectives:

- To gain a better understanding of what PBPK models are and their application to risk assessment in regulatory fields.
- Advantages and limitations of PBPK modelling.
- What must be achieved to overcome limitations for integration into current health risk assessment practices.
- An interactive session involving a model run-through.
- Any lessons learnt from authoritative bodies or industry.

Outline of the workshop

25. Overall, there were seven presentations that explored the current applications and regulatory guidance of PBPK modelling. The workshop was divided into three sessions (introduction and its applications, PBPK model run-through, and PBPK in a regulatory context), two panel discussions and an open discussion regarding future research needs (See this web page: [Handbook Cover Page - 2021 Workshop | Committee on Toxicity \(food.gov.uk\)](#) for the Handbook).