

CONGRESS2019

Symposium 7

Alternative Approaches to Toxicology: What Is the Current View on the Future of Animal Testing (IVTS session)

Chairs: Dr M Clift (IVTS Chair) & Prof G Jenkins (UKEMS Vice-President), Swansea University

Significant effort has been invested in developing *in vitro* alternatives to animal testing that can be used in regulatory decision making for pharmaceuticals, chemicals, agrochemicals and foods. However, current paradigms for regulatory decision making still depend largely upon animal tests. What are the barriers that exist in replacing these animal tests and how can different fields learn from each other? This session will address the current paradigm then will go on to look at the state of the art in *in vitro* replacements and the challenges and opportunities posed.

Title	Speaker	Institution
Usefulness of advanced <i>in vitro</i> models of the GI tract to study the genotoxicity of particulates	Dr Roel Schins	<i>IUF Leibniz, Germany</i>
Can human <i>in silico</i> drug trials replace the need for animal studies?	Dr Elisa Passini	<i>University of Oxford</i>
Alternatives in 21st century toxicology	Prof. Thomas Hartung	<i>Johns Hopkins University, USA / University of Konstanz, Germany</i>