

Safety assessment without animal testing: progress in industry

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Abstract

Safety is a prerequisite for any consumer product. Worldwide, there is an ever-increasing desire to bring safe products to market without animal testing. In recent years it has become clear that trying to develop safety assessments that simply replace animal test data with some form of equivalent 'alternative' data will not work. Instead, a completely new approach to consumer safety is needed. 'Next Generation Risk Assessment' (NGRA), defined as an exposure-led, hypothesis driven risk assessment approach that integrates *in silico*, *in chemico* and *in vitro* approaches, provides such an approach. This talk will outline scientific progress in the development and adoption of NGRA and discuss how we can build acceptance of new assessment approaches for both human and environmental safety within the scientific community.