



国立医薬品食品衛生 研究所・特別講演会

日時

2026年3月30日（月） 15:00 – 16:00

場所

国立医薬品食品衛生研究所2階【共用会議室】
神奈川県川崎市川崎区殿町3-25-26

講師

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タイトル

New Approach Methodologies in Chemical Safety Assessment:
Current Use and Future Needs

要旨

第1部

New Approach Methodologies (NAMs) incorporate *in vitro*, *in chemico*, *in silico* and potentially limited *in vivo* testing. They are intended for use in the more rapid, cost effective and ethical safety assessment of chemicals than the traditional use of animal tests. Specifically, *in silico* NAMs are widely used, e.g., read-across and quantitative structure-activity relationships (QSARs). A number of *in vitro* assays are validated and others gaining credibility, e.g., the developmental neurotoxicity *in vitro* battery (DNT IVB). The DNT IVB demonstrates how targeted approaches to develop non-animal tests can be applied. NAMs are generally not being applied in isolation, with various tiered strategies, focusing on Next Generation Risk Assessment (NGRA) being proposed. These approaches attempt to make risk assessment decisions using hazard and exposure data, with further information being required if uncertainty is too great. There are also a number of needs for NAMs' development and uptake, including better data resources, greater understanding of uncertainty in the decision-making process, improvement of the margin of exposure and the validation of NAMs. This presentation will give examples of the current use of NAMs, as well as solutions to the needs for future use.

お問い合わせ

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