

Monotonic dose-response testing for Nanomaterial toxicity

Commonly used acronym: NMTox

Created on: 23-06-2023 - Last modified on: 22-08-2023

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SCOPE OF THE METHOD

The Method relates to	Animal health, Human health
The Method is situated in	Basic Research, Translational - Applied Research
Type of method	In silico

DESCRIPTION

Method keywords

data exploration

dose response

monotonic trend

Scientific area keywords

nanomaterials

Method description

NMTox is an R-software package and a Shiny app that can be used to explore and subset large datasets and can identify and test for monotonic dose responses. The package was developed within the NanoInformaTIX project where a platform is developed that aims to predict nanomaterial toxicity.

Method status

Internally validated

PROS, CONS & FUTURE POTENTIAL

Advantages

Versatile tool to be used for several applications.

Challenges

Learning curve if the R-package is used.

REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

Links

[Dose-response modelling for NanoInformatics toxicity](#)

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