

# Monotonic dose-response testing for Nanomaterial toxicity

Commonly used acronym: NMTox

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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

Coordinated by









