

WHO WE ARE

ToxBank is being developed to manage and provide access to all *in vitro* and *in silico* protocols and experimental data across SEURAT-1 to support an integrated data analysis. An additional key component is data on suppliers of biomaterials such that scientists can select high quality materials for their research which can be translated for industry safety assessment purposes.

OUR VISION

The focus of the data foundation of the ToxBank data warehouse project is the development of unified data access based on the interoperability leadership of Open-Tox. The second layer builds protocols and processed data which can be integrated for analysis, decision making and hypothesis generation purposes. Finally we support a network of experts who may synthesize and interpret knowledge within a weight of evidence framework leading to judgements on safety.

PROJECTS

The ToxBank data warehouse provides an industry standards based shared repository of know-how and experimental results supporting the SEURAT-1 cluster in developing a replacement for *in vivo* repeated dose toxicity testing.

www.toxbank.net

Douglas Connect
Working communities



DID YOU KNOW

BIOLOGICAL MATERIALS WIKI PAGES

The ToxBank wiki pages provide information on compounds and biological materials developed as part of the SEURAT-1 cluster through the ToxBank project.

This wiki contains information on cells and reagents relevant to the SEURAT-1 cluster. The following documents provides guidance for the banking and supply of human embryonic stem cells.

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A DEDICATED
DATA WAREHOUSE
FOR TOXICITY DATA MANAGEMENT
AND MODELLING

DATA WAREHOUSE

The ToxBank Data Warehouse establishes a centralised compilation of data for systemic toxicity.

Data generated under the research program and additional public data is uploaded and integrated whenever possible into computerised models capable of predicting repeated-dose toxicity.

The ToxBank data warehouse is using the ISA-TAB file format for interchange, storage and query of any investigation data, including dose-response and omics results.

ToxBank establishes a dedicated web-based warehouse for toxicity data management and modelling, a “gold standards” compound database and repository of selected test compounds, and a reference resource for cells, cell lines and tissues of relevance for *in vitro* systemic toxicity research carried out across the FP7 HEALTH.2010.4.2.9

THE GOAL

Our goal is to enable our partners and customers to develop and market smarter products contributing to a sustainable and safer society and environment.

SERVICING OF ALTERNATIVE TESTING METHODS IN TOXICOLOGY



SEURAT-1

A full ban of animal testing for cosmetics came into force on the 11th of March 2013 in the European Union.

Since this date, cosmetic ingredients tested on animals cannot be marketed within the EU.

The SEURAT-1 Research Initiative has started in January 2011 and was initially motivated by the cosmetic industry.

SEURAT-1 is the first EU-funded project that addresses the issue of alternatives to animal testing for prediction of repeated dose systemic toxicity.

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