

Presentation

Translational Toxicology: Data Visualisation Across Phases

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Synopsis

This presentation introduces our work on a visualisation application for the EU project, eTRANSafe (<https://etransafe.eu/>) - a consortium that aims to build a large software system for investigating translational toxicology. It centres on the process of designing visualisation software for translational toxicology, with particular reference to the challenges that the many different sources of toxicology data pose - how can you present toxicology data from heterogeneous data sources together in visualisations to allow interesting patterns to be seen?

Toxicology data are available from a wide range of sources from pre-clinical trials to post-marketing adverse event reports. These data are in different formats and contain information at different granularities, thus creating a tool to allow the user to visualise these together is complex. We will discuss these challenges and considerations in developing a visualisation tool which allows users to explore these data concurrently, without intensive transformation of the data by the end-user, and conclude with a demonstration of our current version to show examples of the functionality thus far.



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