

## **Some Likely Useful Thoughts on Prescription Drug-Use-Related Software Supporting Personalized Dosing Regimen**

Presenter: Mag. Dr. Martin Wolfsegger, CStat(RSS)

### *Brief summary:*

Personalized medicine can be defined as tailoring of medical treatments to the individual characteristics of each patient and has the potential to improve patient care. This presentation addresses the application of pharmacometrics to support individual patient management in clinical practice and highlight challenges in the development and regulatory approval of such a tool.

## **Evaluation of drug combinations**

Presenter: Alexander Bauer M.Stat., CStat(RSS)

### *Brief summary:*

Combination therapies exploit the chances for better efficacy, decreased toxicity, and reduced development of drug resistance. To quantify the interaction between drugs, the observed combination response is compared to the expected effect under the premise of non-interaction. However, there is no harmonized guideline available on how to choose the optimal reference model for non-interaction. Different models may lead to different classifications of synergism/antagonism. The presentation provides an overview of elementary concepts.