

## BBS Seminar:

# Graphical approaches to multiple test problems

Tuesday, March 29, 2022

14.00 - 18:00 CET

The issue of multiplicity often arises in the design and analysis of clinical trials. Common multiple test problems include comparing several treatments with a control, assessing the benefit of a new treatment for more than one endpoint, combined non-inferiority and superiority testing, or any combination thereof. This short course will be on the graphical approach's flexible and transparent implementation of multiple testing. Using graphical approaches, one can easily construct and explore different test strategies and thus tailor the test procedure to the given study objectives. The resulting multiple test procedures are represented by directed, weighted graphs, where each node corresponds to an elementary hypothesis, together with a simple algorithm to generate such graphs while sequentially testing the individual hypotheses. We also present case studies to illustrate how the approach can be used in clinical practice and provide relevant extensions.

Organizing committee:

Dong Xi (Gilead), Ekkehard Glimm (Novartis), Frank Bretz (Novartis)

### Program

<b>14:00 - 14:05</b>	<b>Welcome</b> Marc Vandemeulebroecke (Novartis)
<b>14:05 - 14:45</b>	<b>Introduction to multiple testing</b> Dong Xi (Gilead)
<b>14:45 - 16:15</b>	<b>Graphical approaches to multiple testing</b> Frank Bretz (Novartis)
<b>16:15 - 16:30</b>	<b>Break</b>
<b>16:30 - 17:30</b>	<b>Extensions to group sequential designs</b> Ekkehard Glimm (Novartis)
<b>17:30 - 18:00</b>	<b>Extensions to pooled analysis from two studies</b> Dong Xi (Gilead)



## Virtual event

The event is for free

## Registration

Please register via the following

[link](#)