

Practical biostatistics for real-time PCR

Three-day course

🔗 Objectives

The objective of this course is to provide an understanding of data processing and statistical methods used for analysis of data obtained by real-time PCR. A key ingredient in the course is practical exercises based on real data, including data sets provided by participants. The common experimental designs are introduced and data from such studies are analysed by participants under the supervision of instructors. Throughout the course participants will become familiar with most common experimental cases and self-create excel-based templates for data analysis which they bring home for their own use. In addition, an overview of suitable qPCR software tools will be given.

🔗 Schedule

- Day 1: Relative and absolute quantification theory
- Day 1: qPCR experiment with one target and two reference genes
- Day 2: Normalisation theory
- Day 2: Introduction to statistics
- Day 2: Practical analysis of data from day 1
- Day 2: Further examples for analysis
- Day 3: Multivariate data classification
- Day 3: Planning of experiments
- Day 3: Analysis of own data

🔗 Practical training

For the practical training participants shall bring laptops with MS Excel installed. They will be provided with demo versions of the GraphPad InStat and MultiD GenEx software for more advanced statistical testing.

Registration at www.tataa.com or by email to ales.tichopad@tataa.com

Participants are encouraged to bring their own experimental data!

Description:

Workshop by TATAA
Biocenter and Academy of
Science of the Czech Republic

Dates:

August 27-29, 2008
19-21 November, 2008
From 9:00 to 17:00

Location:

Academy of Science Campus
in Prague Krč
Videňská 1083
14220 Praha 4

Tutor:

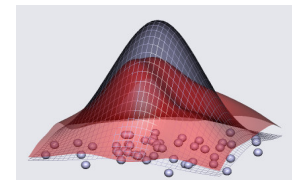
Ales Tichopad (PhD)
from
Technical University Munich

Registration at:

www.tataa.com

Payment:

Invoice will be issued
automatically upon registration.
Czech students will receive
second manually issued invoice
including the 50% discount
following the automated
invoice on full price



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