ATTEND OUR 1-DAY

REAL TIME — PCR *COURSE*

RELATIVE QUANTIFICATION OF *not only* GENE EXPRESSION

qbase+   **SEQme** SEQ & QPCR COMPANY

REGULARLY IN PRAGUE, BRNO AND BRATISLAVA

DATES, REGISTRATION AND MORE DETAILS AT SEQME.EU

We can organize this course in your lab!

Apply on line: SEQme.eu

Using real life experiments you will learn to plan your own studies and carry out basic as well as advanced data analysis. Practical examples and demonstrations in qbase+ programme (Biogazelle) will be used to demonstrate data analysis wokflow in gene expression studies including miRNA and CNV (copy number variations).

Previous knowledge of Real-Time PCR is recommended. Please consider participation at the Basic Real-Time PCR Course in case of lack – see www.seqme.eu for more details.

The course fee includes Premium 2 months license of qbase+

- fully automatic calculations
- supports all qPCR instruments, suitable for large data sets
- platform independent - Windows / MAC / Linux
- easy data import/export – easy data exchange
- embedded quality control tools
- various strategies of normalization
- user-friendly statistical analysis wizard – sophisticated biostatistics at your fingertips
- copy-number variation analysis
- MIQE compliant

Duration: 1 day. In Czech or English.
Participants must have their own laptops for qbase+ installation.

Registration: www.seqme.eu
Information: info@seqme.eu

Program

Experimental design
- power analysis, biological and technical replicates, inter-run calibration…

Sample prep and sample quality testing
- RNA purity and integrity, detection of inhibitors

Relative quantification of not only gene expression
- quantification models
- amplification efficiency correction
- selection of reference genes and how many of them?
- alternative strategies of normalization
- gene expression profiling, cluster analysis
- CNV (copy-number variation) analysis

Biostatistical analysis
- data distribution, choosing the proper statistical test
- p- value and confidence intervals - interpretation of results

Practical recommendations
- lab setup
- instruments and software
- quality control
- dispensable and non-dispensable controls
- how to optimize your workflow and eliminate errors
- MIQE - Minimum Information for Publication of Quantitative Real-Time PCR Experiments

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www.seqme.eu