

ATTEND OUR 2-DAY REAL TIME — PCR COURSE

REGULARLY IN PRAGUE, BRNO AND BRATISLAVA
DATES, REGISTRATION AND MORE DETAILS AT

www.SEQme.eu

*Apply on line:
SEQme.eu*

We can organize this course in your lab!

Real-Time PCR – considered easy and straightforward if it comes to its hands-on part, has many drawbacks especially in experimental design and data analysis. These as well as other topics are discussed in this course in detail. You will learn how to plan your experiments, design assays, carry out basic as well as advanced data analysis and many more.

We won't teach you to pipette your reactions, we will teach you the rest!

This course is intended for everyone who plans to use Real-Time PCR or wishes to deepen their mastering of this technique. No preceding knowledge of Real-Time PCR is required.

Duration: 2 days. In Czech or English.

Registration: www.seqme.eu

Information: info@seqme.eu

Program

Principles and use of Real-Time PCR

Basics of data analysis

- amplification plots, how to obtain Cq values
- genotyping - cluster plots, melting curves analysis

Assay design and validation – design in silico

- probes and unspecific dyes
- repeats, SNPs, secondary structures
- specificity

Optimization in vitro – standard and melting curves

- amplification efficiency and how do I know it?
- specificity, sensitivity

Sample prep and sample quality testing

- RNA purity and integrity, detection of inhibitors

Absolute quantification using standard curve

- planning, conducting, analysing

Relative quantification of not only gene expression

- quantification models, selection of reference genes
- biostatistical analysis

Qualitative analysis

- genotyping and high-resolution melting

Digital Real-Time PCR

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

The course consists of lectures, software demonstrations, practical hands-on data analysis sessions, etc., its agenda can be adjusted to fit your needs and the course can be organized in your lab/department. Please contact us in case of interest. The course is organized by SEQme s.r.o. For more information about our courses and other services please visit www.seqme.eu.

SEQme s.r.o. is an independent consulting and training company and a service provider in the field of DNA sequencing and Real-Time PCR.