

Core Facility Molecular Biology

Quantitative Real-time PCR Workshop

Course contents:

Theory of quantitative real time PCR (traditional PCR vs qPCR, detection methods, assay design, amplification plots, C_q, melting curves, efficiency, reference genes..)

Study design

Sample preparation and quality control (RNA isolation methods and QC, cDNA synthesis, qPCR reaction, assay validation, controls)

Relative quantification methods ($\Delta\Delta$ Ct-method, Pfaffl-method)

Hands on training (SYBR Assays)

Troubleshooting

Languages of instruction: English or German

Target audience: qPCR beginners (PhD students, technicians and researchers)

Costs: 400 Euro (University) / 600 Euro (Company)

DFP: 16-points

Registration: zmf-sekretariat@medunigraz.at (deadline: 21days in advance, November 9th 2020)

Lecturer: Birgit Gallé

As the number of participants is limited (max. 3), please register early to confirm your seat!

November 24-25th 2020 (9am-4pm)

ZMF Seminar room EG 086

Contact: zmf-sekretariat@medunigraz.at
Phone: +43 (0)316 385-73001
Center for Medical Research (ZMF)
Stiftingtalstrasse 24, A-8010 Graz
<https://zmf.medunigraz.at>