



## Core Facility Molecular Biology

### Real-time PCR Workshop

The two-days quantitative real-time PCR workshop will provide attendees a comprehensive overview of real-time PCR and consists of a theoretical and practical part.

**The course contents are:**

- **Theory of quantitative real time PCR** (traditional PCR vs qPCR, detection methods, assay design, amplification plots, Cq, 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**

DFP: 16-Points

**Languages of instruction:** English or German

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

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

**Registration:** [zmf-sekretariat@medunigraz.at](mailto:zmf-sekretariat@medunigraz.at) (deadline: May, 3<sup>rd</sup> 2019)

As the number of participants is limited (min. 3 and max. 8), please register early to confirm your seat!

May 21<sup>st</sup>-22<sup>nd</sup> 2019 (9 am - 4 pm)  
ZMF seminar room SR O3-012

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

