

## Core Facility Molecularbiology

### 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 RNA integrity, cDNA synthesis, qPCR reaction, assay validation, controls)
- **Relative quantification methods** ( $\Delta\Delta$  Ct-method, Pfaffl-method)
- **Hands on training** (SYBR Assays)
- **Troubleshooting**

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

**Costs:** 400 Euro (internal) / 600 Euro (external)

**Registration:** [zmf-sekretariat@medunigraz.at](mailto:zmf-sekretariat@medunigraz.at)  
(Deadline: October 25<sup>th</sup>, 2017)

**DFP-Points: 16**

As the number of participants is limited (min. 4 and max. 8), please register early to confirm your seat!

**November 22<sup>nd</sup>-23<sup>rd</sup> 2017, 9 a.m. -16 p.m.**

***ZMF seminar room 1<sup>st</sup> floor O1-016***