2nd ANNOUNCEMENT

Dear colleagues,
Dear company representatives,

The great international interest in the three International qPCR Events in 2004, 2005, and 2007 with up to 600 participants from over 40 countries, and 32 international companies in the Exhibition motivates repeating the success in March 2009. We have set the date for the qPCR 2009 Event, the 4th International qPCR Symposium & Application Workshop to 9 – 13th March 2009. The event location is the central lecture hall complex and the foyer at TUM (Technical University of Munich) in Freising Weihenstephan, Germany. The TUM and the Biotech region around Munich are part of the largest Biotech cluster in Europe, located close to the Munich airport (MUC) directly in the heart of Bavaria. The focus of the qPCR 2009 Event will be on **Diagnostics & Molecular Markers**

It is a pleasure to announce the **Nobel Prize Laureate Kary Mullis** in an own session “25th Anniversary of PCR”.

As usual the qPCR Event is structured in three parts:

1. **qPCR Symposium** taking place March 9-11, including various Talk and Poster Sessions;
2. A parallel **qPCR Industrial Exhibition** taking place March 9-11;
3. Followed by **qPCR Workshops** taking place March 12-13 powered by bioEPS GmbH and the TATAA Biocenter Germany

The scientific organization is managed by international well-known scientists in the field of real-time PCR:

Stephen Bustin  Prof. of Molecular Science, School of Medicine, London, UK
Mikael Kubista  Prof. of Biotechnology, TATAA Biocenter, Sweden
Jo Vandesompele  Prof. at the Center of Medical Genetics, University of Ghent, Belgium
Heinrich H.D. Meyer  Prof. of Physiology, Technical University of Munich, Weihenstephan, Germany
Michael W. Pfaffl  Senior Scientist and Reader in Physiology, Technical University of Munich, Weihenstephan, Germany (Scientific coordination)

The event organization will be managed by Dr. Martina Reiter, bioEPS GmbH
Martina.Reiter@bioEPS.com

**qPCR Symposium**

The symposium focus will be on some 40-50 lectures presented by international recognised experts in their application fields. The emphasis will be on unbiased, didactic information exchange. One third of the talks will be presented by invited speakers, one third of the speakers will be selected from the submitted abstracts and one third will be qPCR company representatives.

Various poster sessions will be presented in parallel in separate poster exhibition halls. All scientific contributions will be published in the qPCR 2009 Symposium Proceedings. In the last meetings between 150 and 220 scientific contributions were summarized and published in the Symposium Proceedings (ISBN 3000134042 and ISBN 3000166874). **Deadline for abstract submission is the 31st December 2008.**

An online registration tool – CONFTOOL - is available [http://registration.qpcr2009.net](http://registration.qpcr2009.net)
qPCR 2009 - Talk and Poster Sessions:

http://sessions.qpcr2009.net/

Main topic: **Diagnostics & Molecular Markers**
Markers in diagnostic, prognostic, and therapeutic, markers on DNA, RNA, microRNA, protein, and metabolite level, disease markers, tissue specific markers, cancer markers, stem-cells markers, differentiation markers, methylation markers, diagnostic quantification methods, epigenetics, SNP analysis, HRM = high resolution melt applications,

Main topic: **Diagnostics & Molecular Markers in agricultural and veterinary Science**
Diagnostics & Molecular Markers in White-, Green-, Blue-, and Yellow- Biotechnology and in agricultural and veterinary Science. Marker genes on diagnostic, prognostic, and therapeutic markers on DNA, RNA, microRNA, protein, and metabolite level, in animals and plants, … …

"25th Anniversary of PCR”  
Session held by Nobel Prize Laureate Kary Mullis

**Single-cell qPCR**
single-cell sampling, pre-amplification techniques, laser micro dissection, sub-cellular PCR, micro-manipulation of cell clusters, cellular micro injection, FACS spotting, single cell handling, ……

**RNAi - microRNA - siRNA Applications**
RNAi mechanism, microRNA extraction, qRT-PCR technologies to detect microRNA, siRNA applications in combination with qRT-PCR, microRNA targets and microRNA precursors, new siRNA manipulation and microRNA technologies, ……

**High throughput quantitative PCR**
384 well applications, new high throughput platforms, qPCR robotics, digital PCR, SNP application, gene expression real-time RT-PCR arrays (mRNA and microRNA), quantitative multiplexing, …

**Pre-analytical Steps**
Pre-amplification, sampling technologies, DNA / RNA purification, extraction efficiency, DNA / mRNA / microRNA quality control, Reverse Transcription, RT quality control, external references, ……

**Immuno qPCR**
development, establishment, optimization of immuno-qPCR, innovative immuno qPCR applications, ……

**qPCR NOS Session - Normalization & Optimization & Standardization**
new types of normalization, one vs. multiple reference genes, genomic DNA as standard, external standards, optimization of the real-time PCR, inhibition of negative effects, optimization of real-time PCR efficiency, qPCR robotics, multiplexing, establishment of DNA / RNA standards, inter-run standards, national and international studies on qPCR standardization, new quantification strategies, ……..

**qPCR BioStatistics & BioInformatics**
software applications, data mining, calculation of relative expression, primer and probe design on mRNA and microRNA level, real-time PCR efficiency determination, mathematical modelling, Multivariate expression profiling raw data analysis, statistics in real-time PCR, data management, multiway expression profiling, multiple regression analysis, 3D data visualization, ……..
**Industrial Exhibition**

An industrial exhibition will be held during the qPCR Symposium **March 9-11** in the **main exhibition area** foyer of the central lecture hall complex (marked by green frame) and in the **side exhibition area** with two side rooms S1 and S2 (marked by blue frame). The exhibition site is very close to the lecture halls HS 14 and HS 15 where the symposium lectures will be given.

Some impressions from the previous meetings:
qPCR Workshops

Various 2-day workshops will be held in parallel March 12-13 by TATAA Biocenter Germany (www.tataa.com and http://tataa.gene-quantification.info). The workshop laboratories and seminar rooms are close to the lecture hall.

Workshop topics:
- Basic real-time qPCR Workshop (2-days)
- qPCR Biostatistics & Expression Profiling (2-days)
- Sample Preparation (2-days)
- High Resolution Melt & immuno-qPCR (2-days)

All workshops offer extensive hands-on training by qPCR experts from the international TATAA Biocenter team. SYBR Green and leading probe technologies will be demonstrated, common and emerging instrument platforms will be available and advanced primer and probe design programs will be used. Hands-on training will be provided on quantitative gene expression, including design and optimization of both RT and qPCR protocols.

Please contact Michael Pfaffl for information and details at bioEPS or TATAA Biocenter Germany, Michael.Pfaffl@bioEPS.com or Michael.Pfaffl@tataa.com

Symposium and Workshop Fees

The registration fees include:

- Printed proceedings showing all abstracts of the scientific contributions;
- Online access to full presentations: with permission from the authors all presentation slides and posters will be available online as PDF on the symposium homepage, in a password protected area.
- Full catering service including all kind of drinks, coffee bar, milk bar, various cold or hot snacks, three lunch meals and two evening events: a Get-Together-Party on Monday March 9, and an evening Conference-Dinner on Tuesday March 10, with a very delicious international buffet, non-alcoholic, alcoholic drinks and cocktails.

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<th>Late registration fees from 1st January 2009</th>
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fees include 19% VAT *The students should present a valid student passport at the registration.

An online registration tool, called CONFTOOL is available http://registration.qpcr2009.net

If you have further questions, we are pleased to help you. Up to date information is available on the Symposium Homepage http://qPCR2009.net Hope to meet you in March at the qPCR 2009 Event in Freising!

Michael Pfaffl

Scientific coordinator
The confirmed sponsors at the qPCR 2009 Event:

Lead Sponsor:

Roche

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QIAGEN

Invitrogen  
BIOSEARCH TECHNOLOGIES  
Agilent Technologies

Thermo Fisher Scientific  
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Lonza

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Eppendorf  
Eurofins mwg/operon

Helixis  
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