

qPCR 2010 7 – 9th April 2010

Symposium & Exhibition

Main topic: The ongoing evolution of qPCR



www.qPCR2010-Vienna.net
University Vienna, Juridicum, Vienna City Center, Austria

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Location - Juridicum, University Vienna

Schottenbastei 10-16
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Event organization:

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1st March 2010

Final Announcement

Dear researcher,

The great international interest of the previous International qPCR Events from 2004 to 2009 with up to 600 participants from over 40 countries, and 32 international companies in the Exhibition motivates repeating the success next year in Vienna - **qPCR 2010 Vienna international symposium 7th – 9th April 2010**. The focus of the qPCR 2010 Event will be **“The ongoing evolution of qPCR”** representing all new and emerging techniques, applications and data analysis methods. MIQE, HRM, microRNA, CNV, single-cell qPCR, digital PCR, and analysis of circulating nucleic acids will be in the focus of the conference.

The organizing committee, the keynote lecturer and some of the invited academic speakers are now on the way to prepare manuscripts which will be published early 2010 in a METHODS special qPCR issue with the title “The ongoing evolution of qPCR”, in cooperation with Elsevier.

Why Vienna?

The Vienna region is Austria's largest life sciences location. The Austrian government and the City of Vienna set up a biotechnology network (LISA VR www.lisavr.at) with the aim of having one central body to provide support and advice to start-ups and high-tech companies in the biotec field. Currently **175 life science companies** employ 11,000 people in the greater Vienna region. In addition an estimated 4,500 academic researchers work in the life science sector. Vienna is the economic and biotechnology hub for Central and Eastern Europe and has become an innovative center for the life science in recent years.

The event is structured in two parts: 1) a **qPCR Symposium** taking place April 7 - 9, including various talk sessions in the big lecture hall fitting 350 persons, 2) a parallel **qPCR Industrial Exhibition** in the aula and basement of the **Juridicum** (Juridicum der Universität Wien) directly in the city center of Vienna. => [Google Maps](#)

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

Stephen Bustin	Prof. of Molecular Science, School of Medicine, London, UK
Mikael Kubista	Prof. of Biotechnology, TATAA Biocenter, Sweden
Christine Mannhalter	Prof. for Molecular Diagnostics in Clinical Chemistry, Med. University Vienna, Austria
Jo Vandesompele	Prof. at the Center of Medical Genetics, University of Ghent, Belgium
Michael W. Pfaffl	Senior Scientist and Reader in Physiology, Technical University of Munich, Weihenstephan, Germany (Scientific coordination)

Martina Reiter event organization by BioEPS GmbH Martina.Reiter@BioEPS.com

Please have a look on our previous organized world wide events [qPCR 2004](#), [qPCR 2005 in Leipzig](#), [qPCR 2005](#), [qPCR 2007](#) and [qPCR 2009](#) and our partner events in the San Francisco Bay region [qPCR 2007 in US](#), [qPCR 2008 in US](#), and [qPCR 2009 in US](#).

qPCR Symposium topic - “The ongoing evolution of qPCR”

The symposium focus will be on 40 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 with their newest qPCR technologies. The focus of the qPCR 2010 Event will be “**The ongoing evolution of qPCR**” representing all new and emerging techniques, applications and data analysis methods. Abstract submission is **31st January 2010** => <http://submission.qPCR2010-Vienna.net>

MIQE and QM strategies in qPCR

The MIQE guidelines: minimum information for publication of quantitative real-time PCR experiments. Following these guidelines will encourage better experimental practice, allowing more reliable and unequivocal interpretation of qPCR results. QM strategies in real-time PCR to guarantee better and more valid results.

Prof. Stephen Bustin, “The MIQE Guidelines: Minimum Information for Publication of Quantitative Real-Time PCR Experiments”

Prof. Christine Mannhalter, “Standardization efforts of qPCR: Example BCR-ABL Translocation”

*Dr. Roderic Fürst, “Optical artefacts: Cause, Consequence, Correction” **IT-IS Lifescience***

*Dr. Mark Behlke, “Hydrolysis probes with improved quenching and performance” **INTEGRATED DNA TECHNOLOGIES***

*Dr. Francisco Bizouarn, “A Practical Approach to Assay Design for qPCR - Overcoming Difficult Assays, Designs and Optimization while Conforming to the MIQE Guidelines” **Bio-Rad***

High throughput quantitative PCR – digital PCR

384 well applications, new high throughput platforms, droplet PCR, qPCR robotics, digital PCR, gene expression real-time RT-PCR arrays (mRNA and microRNA), quantitative multiplexing, ...

*Prof. Mikael Kubista, “Digital PCR and intra-cellular expression profiling” **TATAA BIOCENTER***

Dr. Philip Day, “High throughput droplet PCR”

*Dr. Gudrun Tellmann, “High-Throughput Gene Expression Analysis Using the LightCycler Platform” **ROCHE***

*Dr. Leila Smith, “Fluidigm’s BioMark System for Gene Expression, Genotyping, Digital PCR and other sample preparation applications using nanoliter reaction volumes” **FLUIDIGM***

*Dr. Marjaana Pussila, “Western-type diet affects the expression of genes known to be involved in human colorectal carcinogenesis in histologically normal mucosa of ApcMin/+ mice” invited by **LONZA***

*Dr. Simone Kreth, “Prognostic Impact of Gene Expression Analyses in Human Glioblastoma” invited by **ROCHE***

*Dr. Raza Ahmed, “Rapid Quantification of DNA libraries for Next Generation Sequencing” **Agilent Technologies***

*Dr. Ian Kavanagh, “Detection of Related AKT Family Members using Solaris qPCR Gene Expression Assays” **Thermo Scientific***

HRM – High Resolution Melting - Epigenetics

SNP analysis, high resolution melt applications, Epigenetics, methylation markers, platform comparison, etc. ...

Prof. Carl Wittwer, “High Resolution Melting Analysis”

Prof. Claudio Orlando, “High Resolution Melting Analysis in Cancer Diagnosis”

*Dr. Madeline O’Donoghue, “Demonstrating the Utility of the Protein Thermal Shift Assay Using Applied Biosystems Real Time PCR Systems” **Applied Biosystems***

CNA - Circulating Nucleic Acids

Analysis of circulating RNAs and DNA and microRNAs as diagnostic and prognostic marker, ...

Dr. Pamela Pinzani, “Cell free circulating DNA”

Dr. Alfred Schöller, “Targeting the human urine RNAome for tumor diagnostics by qPCR”

Dr. Jim Huggett, “Diagnostic tools for measuring cell free nucleic acids. What can we expect from the next decade?”

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, pre-amplification, ...

*Dr. Ken Livak, “High Throughput Gene Expression Profiling of Single Cells” invited by **FLUIDIGM***

*Dr. Anders Stahlberg, “Single-cell gene expression profiling” **TATAA BIOCENTER***

*Dr. Petra Hartmann, “Analysis of Single Circulating Tumour Cells isolated from Gastro-Intestinal Cancer Patients” **ADVALYTIX***

RNAi – microRNA – siRNA Applications – miRNA normalisation

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

Prof. Jo Vandesompele, “MicroRNA and mRNA gene expression normalization”

Dr. Mirco Castoldi, “Expression profiling of microRNA by real time qPCR, what is available and where to go from there”

Dr. Michael W. Pfaffl, “Quantification of microRNAs – MIQE challenges and solutions”

*Dr. Ditte Andreasen, “microRNA profiling on challenging samples using LNA enhanced qPCR” **EXIQON***

*Dr. David Ruff, “MicroRNA dynamics in early neuronal differentiation with correlation to protein output and cell biology” **Applied Biosystems***

*Dr. Martin Kreutz, “Quantification of miRNA precursors in Mammalian Cells” **QIAGEN***

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, statistics in real-time PCR, data management, multiway expression profiling, multiple regression analysis, 3D data visualization, ...

Dr. Ales Tichopad, “Statistical aspects of quantitative PCR experiment design and qPCR data analysis”

Dr. Jan Hellemans, “Accurate and objective copy number profiling using real-time quantitative PCR” **BIOGAZELLE**

Prof. Mikael Kubista, “Expression profiling - clusters of possibilities” **MULTID**

Dr. Jan Ruijter, “Determining PCR efficiency and Cq value after monitoring PCR amplification with hydrolysis probes”

Dipl. Inf. Sebastian Kaiser, “Existing Methods and New Developments for RT-PCR Analysis in R”

Dr. Stefaan Derveaux, “Pros and cons of single curve efficiency algorithms”

An online registration and abstract submission software **CONFTOOL** is now available here:

⇒ <http://registration.qpcr2010-vienna.net>

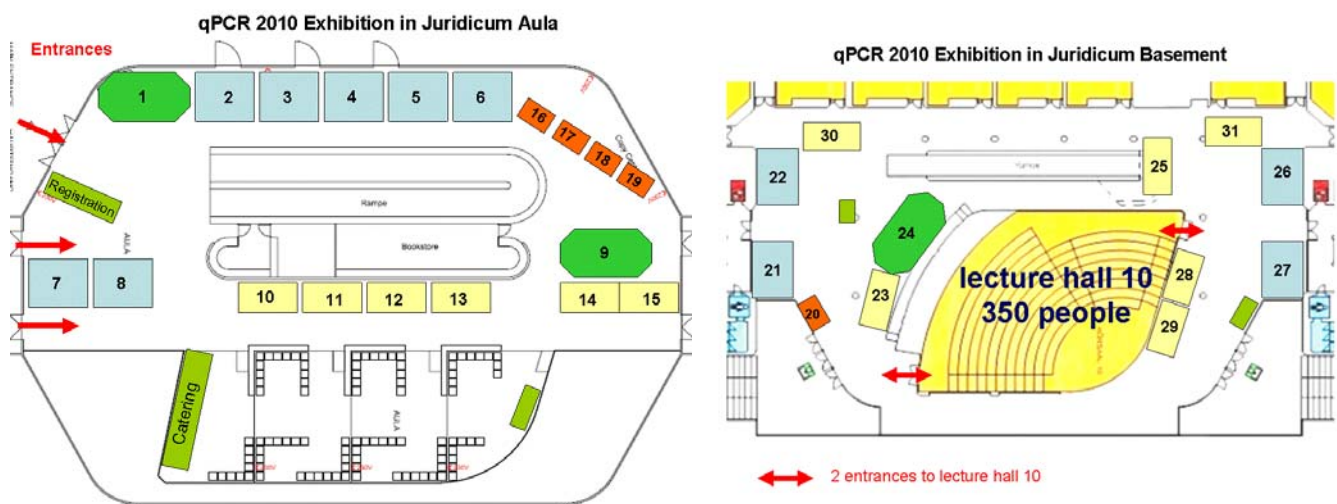
Industrial Exhibition

An industrial exhibition with **35 international companies** in the field of qPCR will be held during the qPCR Symposium 7 – 9 April 2010 in the **Aula** and in the **Basement** of the **Juridicum**, Juridicum der Universität Wien, Schottenbastei 10-16, 1010 Vienna, Austria ⇒ [Google Map of Vienna](#)



[Click the pictures to get access to Google Maps](#)

Booth plan qPCR 2010



Symposium 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, various cold snacks, lunch sandwich meals and two evening events: a *Wine Reception* on Wednesday April 7, and a downtown evening *Conference Dinner* on Thursday April 8, in the Vienna city center with a very delicious international buffet, alcoholic and non-alcoholic drinks.

qPCR 2010 Symposium (3 days)	Early registration fees until 31 st January 2010	Late registration fees from 1 st February 2010
students*	230 Euro	280 Euro
academic attendants	330 Euro	380 Euro
industrial attendants	430 Euro	480 Euro

VAT regulations for events in Austria:

- 1) Reverse Charge Taxing System - prices exempt VAT for companies domiciled in EU, CH, USA. For EU-companies and EU-institutions **please deliver your tax ID number**.
- 2) In all other cases (other countries or private persons) prices are additionally 20% Austrian VAT, according to the Austrian § 19 Abs 1 UStG

* The students should present a valid student passport at the registration.

An online registration and abstract submission software **CONFTOOL** is now available here:

⇒ <http://registration.qPCR2010-Vienna.net>

or

⇒ <http://submission.qPCR2010-Vienna.net>

Deadline for talk abstract submission is **31st January 2010**

If you have further questions, we are pleased to help you. Up to date information is available on the Symposium Homepage <http://www.qPCR2010-Vienna.net>

Hope to meet you in April in Vienna!



Scientific coordinator

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