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4th February 2010

qPCR 2010 Event – Final Call for Abstracts

www.qPCR2010-Vienna.net

BioEPS GmbH is organizing the qPCR 2010 Event taking place April 7th – 9th, 2010 in Vienna, Austria. Scientists from all around the world will come to exchange ideas, share experiences, and discuss the exciting future of the perhaps most powerful analytical technology ever developed in the life sciences area – the quantitative real-time polymerase chain reaction (qPCR).

We have the pleasure to announce the Call for Abstracts for the qPCR 2010 Event

Finally we want to present 40 scientific talks from international scientists and diagnostic companies in the qPCR field who will show their latest research findings and newest 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.

Deadline is 31st January 2010 => http://submission.qPCR2010-Vienna.net

Talk topics:

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"
to be announced, "Optical artefacts: Cause, Consequence, Correction" ***IT-IS Lifescience***
Dr. Mark Behlke, "Hydrolysis probes with improved quenching and performance" ***INTEGRATED DNA TECHNOLOGIES***

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 APPLIED SCIENCE***
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 beinvolved 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 APPLIED SCIENCE***

HRM – High Resolution Melting - Epigenetics

SNP analysis, HRM = high resolution melt applications, Epigenetics, methylation markers, HRM platform comparison, etc …

Prof. Carl Wittwer, "High Resolution Melting Analysis"
Prof. Claudio Orlando, "High Resolution Melting Analysis in Cancer Diagnosis"

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. Michael W. Pfaffl, "Quantitative expression analysis after pre-amp in single WBCs"
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 quantitative real time PCR, what is available and where to go from there"
Dr. Ditte Andreasen, "microRNA profiling on challenging samples using LNA™ enhanced qPCR" ***EXIQON***

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***
Dr. Anders Bergkvist, "Expression profiling - clusters of possibilities" ***MULTID***
Dr. Jan Ruijter, "Determining PCR efficiency and Cq value after monitoring PCR amplification with hydrolysis probes"

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

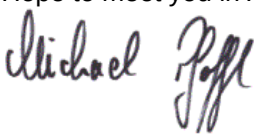
⇨ **http://registration.qPCR2010-Vienna.net**

Industrial Exhibition

An Industrial Exhibition will take place parallel to the symposium, with 40 leading biotechnology companies presenting their latest developments, including real-time PCR cyclers, NA extraction robots, consumables, new fluorescence dyes, NA detection and amplification chemistries, as well as real-time PCR data analysis software.

For more information about the qPCR 2010 event contact Dr. Martina Reiter Martina.Reiter@bioeps.com

Hope to meet you in April in Vienna!



Scientific coordinator

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