

3rd Announcement, October 2003

1st International qPCR Symposium & Application Workshop©

Transcriptomics, Clinical Diagnostics & Gene Quantification

3rd - 6th March, 2004 in Freising-Weihenstephan, Germany

The Symposium presents unbiased international lectures & posters about quantification strategies, normalisation methods & new algorithms for exact nucleic acid quantification in the broad range of qPCR applications:

Transcriptomics

Clinical Diagnostics

Food Hygiene & GMO

Expression profiling

Microbiology

PharmacoGenomics

Forensic

NutriGenomics

Molecular Endocrinology

cDNA Array Verification

Theoretical qPCR

Pre-analytical Steps & RT

Isolation of Nucleic Acids

Parallel to the Symposium an industrial Exhibition will take place along with the congress, where an intensive conversation with numerous companies is possible (real-time PCR Cyclers, Kit Producers,, Nucleic Acid Purification Systems, Enzyme Producers, Plasticware Suppliers, etc.)

More than 35 internationally renown speakers will be participating in a lively and exciting programme enabling the valuable exchange of information in the qPCR field.

Scientific board:

Dr. Stephen Bustin

Reader in Molecular Medicine, School of Medicine, London

Prof. Mikael Kubista

TATAA Biocenter, Gothenborg , Sweden

(scientific coordination of Application Workshop)

Dr. Udo Reischl

Institute of medical Microbiology & Hygiene, Regensburg, Germany

Prof. H.H.D. Meyer

Physiology - Weihenstephan, Center of Food & Life Science-Weihenstephan

PD Dr. Michael W. Pfaffl

Physiology - Weihenstephan **(scientific coordination of Symposium)**

Invitation to the 1st International qPCR Symposium & Application Workshop

Dear researchers and colleagues,

On behalf of the Organisation Committee and the Scientific Board it is great pleasure to invite you to the **1st International qPCR Symposium & Application Workshop** to be held March 3-4, 2004, at the Center of Life Science in Freising Weihenstephan, Technische Universität München Germany (<http://www.wzw.tum.de/wzw/english/index.html>).

The polymerase chain reaction (PCR) is the most sensitive technique to detect low abundance mRNA and minute amounts of DNA typically present in tissue samples. Real-time reverse transcription PCR (qPCR or kinetic RT-PCR) is rapidly becoming the method of choice for quantitative gene expression analysis and molecular diagnostics owing to its high sensitivity, excellent reproducibility, and wide dynamic quantification range. However, this ultra high sensitivity makes qPCR sensitive to experimental error, variations in experimental protocols and presence of contaminants in complex biological samples. Successful applications of qPCR require understanding of the practical problems associated with sample handling, including careful experimental design, assay optimization, appropriate validation and proper data treatment.

This **1st International qPCR Symposium** will focus on all aspects of qPCR technology and its applications in research and diagnostics. Leading academic researchers and industrial contributors in the field will be participate in the symposium, which will be an arena for fruitful discussions between researchers of different backgrounds. The Symposium and associated **Application Workshop** offers an overview of the present knowledge and future developments in qPCR technology and its wide applications.

The **Application Workshop** offers hands-on training by leading experts from TATAA Biocenter (www.tataa.com) in qPCR. Major probe technologies will be demonstrated, leading and emerging instrument platforms will be presented, and advanced primer and probe design programs will be available. Hands-on training will be provided on quantitative gene expression, including design and optimisation of both RT and qPCR protocols.

Michael W. Pfaffl
(Chairman Symposium)

Mikael Kubista
(Chairman Application Workshop)

Cordial Greetings from Kary B. Mullis

I am sorry that I will not be able to attend the First International qPCR Symposium and Application Workshop. Please deliver my cordial greetings to those in attendance and remind all that "symposium" is from the Greek "symposion" meaning to drink together. One shouldn't have to walk too far in Bavaria to find a stein worth raising in celebration of **'Twenty years of PCR,'** without which we may have had another twenty years without PCR. We'd already had three billion years of that, and it was getting tiresome. So don't forget to go to the sessions, but do remember why you are there. Sympose. Sorry I'm not there with you.

Cordially, Kary B. Mullis

Confirmed Speakers:

<http://www.wzw.tum.de/gene-quantification/qpcr2004/main-2004.shtml#speaker>

- Dr. Stephen Bustin** Reader in Molecular Medicine, School of Medicine, London
"Pitfalls in the quantification of RNA using real-time RT-PCR.,"
- Prof. Mikael Kubista** TATAA Biocenter, Gothenborg , Sweden
"Real-time PCR is the most sensitive technique for biomolecular detection. Possibilities and Limitations in Research and in Clinical Diagnostics."
- Dr. Udo Reischl** Institute of medical Microbiology & Hygiene, Regensburg, Germany
"LightCycler Applications in Diagnostic Bacteriology."
- Prof. H.H.D. Meyer** Institute of Physiology, ZIEL, Freising, Germany
Dean of Faculty Center of Food & Life Science-Weihenstephan
- PD Dr. Michael W. Pfaffl** Institute of Physiology, ZIEL, Germany
"Determination of real-time PCR efficiency - An overview of different methods."
- Prof. Carl T. Wittwer** Professor of pathology at the University of Utah School of Medicine.
"High Resolution Melting Curve Analysis."
- Dr. Olfert Landt** TIB Molbiol, Berlin, Germany
- Dr. Thomas Kaiser** Corbett Research R&D, Austral
- Prof. Hannelore Daniel** Molecular Nutrition Unit, Germany, Center of Food & Life Science-Weihenstephan
"NUTRIGENOMICS: the road that leads to new insights into nutritional processes."
- Dr. Debra Nicksen** Invitrogen, Europe
- Dr. David Whitcombe** DXS Genotyping
"Scorpions- Application in Genotyping and Real time PCR.."
- Dr. Pamela Pinzani** Clinical Biochemistry Unit, Dep. of Clinical Physiopathology, Florence, Italy
"Laser capture microdissection and real-time PCR in Human Cancer."
- Dr. Thomas Köhler** Roboscreen, Leipzig
- Dr. Anders Stahlberg** Chalmers University, Sweden
"Quantitative gene expression analysis by Real-time PCR - How to optimize the reverse transcription and real-time PCR reactions."
- Dr. Pamela Scottie Adams** Trudeau Institute, Portland, Oregon, USA
"Real time PCR in a Core Facility."
- Prof. Lawrence Wangh** Brandeis University, Boston, MA, USA
*"LATE-PCR and Allied Technologies for Amplification and Utilization of Single-stranded DNA.,, and
"PurAmp - a New Quantitative Method for Preparation, Synthesis, and Amplification of Both cDNA and Genomic DNA in a Single Tube."*
- Dr. Kristin Brevik Andersson** Institute of Experimental Medical Research, Oslo
"Normalization genes for heart failure."
- Dr. Jo Vandesompele** Center of Medical Genetics, Ghent University, Belgium
"Accurate normalization of gene expression using multiple internal control genes."
- Dr. Jim Huggett** Center for Infectious Diseases, London, UK
"Validation of housekeeping genes for normalising RNA expression."
- N. N.** ABI Applied Biosystems
- N. N.** Roche Diagnostics, LightCycler Development Group
- N. N.** Bio-Rad Laboratories
- Dr. Hans Nitschko** Max-von-Pettenkofer Institut, LMU sponsored by Abgene
"Genotyping and quantification of hepatitis C virus using fluorescent probes."
- Dr. Tania Nolan** Stratagene Europe
"A Housekeeping-Gene Free Zone for Normalisation."
- N. N.** Sequenom

Preliminary Symposium Agenda:

Session Titles & Session Moderators:

- Application in Clinical Diagnostics (S. Bustin & M. Pazzagli)
- Normalization & Standardization (M. Pfaffl & Dr. Köhler)
- Pre-analytical Steps (NA isolation, RT, sampling, etc.) (M. Kubista & S. Adams)
- Nutri-Genomics & Pharmaco-Genomics (H. Daniel & C. Witwer)
- New approaches in qPCR & Automatization (L. Wangh & C. Wittwer)
- Transcriptomics & Expression profiling & Validation of array results (M. Pfaffl & M. Kubista)
- Application in Microbiology and Virology (U. Reischl & H. Nitschko)
- Food Hygiene & GMO (in line with demand)
- Forensic (in line with demand)

Wednesday 3 March 2004

- 10:00 – 12:00 Arrival & Registration
- 12:00 – 13:00 Get-together lunch
- 13:00 – 13:30 Welcome & Opening of the Symposium
- 13:30 – 18:00 **Lectures: Session 1 + 2** (including Coffee break)
- 18:00 – 20:00 Bavarian Dinner Buffet
- 18:00 – 22:00 „Get-together with the Companies“ in the industrial Exhibition

Thursday 4 March 2004

- 08:30 – 12:00 **Lectures: Session 3 + 4** (including Coffee break)
- 12:00 – 13:00 Lunch in Cafeteria
- 13:00 – 17:00 **Lectures: Session 5 + 6** (including Coffee break)
- 18:00 – 22:00 Gala Dinner in the „oldest brewery of the world“ WEIHENSTEPHAN

Friday 5 March 2004

- 08:30 – 12:00 **Lectures: Session 7 + 8** (including Coffee break)
- 12:00 – 12:30 Closing of the Symposium
- 12:30 – 13:30 Lunch in Cafeteria

Preliminary Agenda of the Application Workshop:

Friday 5 March 2004

- 13:00 – 13:30 Registration
- 13:30 – 14:00 Welcome & Opening of the Application Workshop
- 14:00 – 17:30 **Lectures by the Participating Companies** (including Coffee break)
- after 17:30 Open evening & visit the Nightlife of Freising (www.freising.de)

Saturday 6 March 2004

- 08:30 – 12:00 **Application Workshop: Session 1** (including Coffee break)
- 12:00 – 13:00 Lunch
- 13:00 – 17:30 **Application Workshop: Session 2** (including Coffee break)
- 17:30 – 18:00 Closing of the Application Workshop

Important Dates:

Home page of the Symposium:

<http://www.wzw.tum.de/gene-quantification/qpcr2004/>

The official conference and workshop language is **ENGLISH**. No simultaneous translation will be provided. All oral presentation, poster and abstracts must be presented in English.

Abstract submission deadline:

November 15, 2003

Abstract submission:

qpcr2004@wzw.tum.de

Guidelines for abstract submission

<http://www.wzw.tum.de/gene-quantification/qpcr2004/abstract.pdf>

Please indicate if you want to present either a **Poster** or give an **oral Presentation** via MS PowerPoint.

Symposium Proceedings:

The symposium proceedings including all **Abstract, Posters and Oral Presentations** and will be published on the **Gene-Quantification** web page. Until August 2004 the PDF download of the contributions is password protected and only accessible for Symposium or Application Workshop participants.

Symposium organisation & registration:

susanna.wirth@tumtech.de

Registration form (PDF)

<http://www.wzw.tum.de/gene-quantification/qpcr2004/registration.pdf>

Registration form (DOC)

<http://www.wzw.tum.de/gene-quantification/qpcr2004/registration.doc>

Symposium Registration Fees (3 days):

early registration fee

(before 15th Nov. 2003)

(incl. MWST = VAT)

360 €

late registration fee

(after 15th Nov. 2003):

430 €

Application Workshop Registration Fee (1.5 days):

early registration fee

(before 15th Nov. 2003)

(incl. MWST = VAT)

430 €

late registration fee

(after 15th Nov. 2003):

490 €

Symposium & Application Workshop Registration Fee (4 days):

early registration fee

(before 15th Nov. 2003)

(incl. MWST = VAT)

790 €

late registration fee

(after 15th Nov. 2003):

920 €

Please transfer the registration fee to the bank account:

Payment is possible by Bank Transfer in Euro [€] and free of charges to the recipient TUM-Tech GmbH

Account

No. 10374304

Kreissparkasse München Starnberg

Code 702 501 50

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iBAN: DE75702501500010374304

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Please state your

Name and Symposium or Workshop or Symposium & Workshop

Industrial Exhibition conditions:

For details for the industrial exhibition, e.g. technical management, stand allocation, electronic installations, exhibition opening times, costs, symposium sponsoring etc. please contact Dr. Susanna Wirth at TUM-Tech GmbH (susanna.wirth@tumtech.de) <http://www.wzw.tum.de/gene-quantification/qpcr2004/companies.html>

Accommodation:

Please make your own reservations via

<http://www.freising.de/tourismus/uebernachtfreis.htm>

Hotels (***) Hotel Lerner, Hotel Bayerischer Hof, Am Kloistergarten, Hotel zum Löwen, Isarhotel, Hotel zur Gred

Hotels (**** - *****) Dorint Hotel Freising, München Airport Marriott Hotel

Meals and beverages:

Registration fees includes **all** snacks, meals, and beverages during the symposium and the Application Workshop. Wednesday evening a Bavarian Diner Buffet will be served in the exhibition hall and on Thursday evening a Gala Banquette will be served in the traditional beer cellar WEIHENSTEPHAN, which is the oldest brewery of the world, founded in 1040.

