Program
qPCR Satellite Symposium

at the BioCity Leipzig, Deutscher Platz 5, 04103 Leipzig, Germany

Symposium Homepage: **http://leipzig05.gene-quantification.info/**

organized by Michael W. Pfaffl and powered by   **BioScience Events**

An international Symposium open to everybody who is interested in qPCR, from 10-11th March 2005.
The main focus of the qPCR symposium is related to the key problems in quantitative real-time PCR (qPCR):

Optimization, Normalization & Standardization

Leading European academic researchers and **international industrial contributors from the R&D** will participate in the symposium and present **23 innovative and interesting talks**. The symposium will be an arena for fruitful discussions between researchers of different backgrounds and is divided in **6 sessions** offering an overview of the present knowledge and future developments in qPCR technology and its new applications:

Session 1: Pre-analytical steps   Moderator: M. W. Pfaffl

Session 2: Single cell PCR   Moderator: M. Kubista

Session 3: Probes Technologies   Moderator: S. Bustin

Session 4: Quantification strategies & Optimization   Moderator: S. Bustin

Session 5: Applications   Moderator: N. Zoric

Session 6: Post PCR & BioInformatics   Moderator: M. W. Pfaffl

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An **Industrial Exhibition** covering 11 booth from 18 companies and a small **Poster Session** will be held in the Foyer of the BioCity Leipzig. Plan of the industrial exhibition: http://www.bioscience-events.com/leipzig/exhibition-zoom.gif

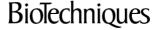## qPCR Symposium Sponsors:

Hotels close to the BioCity Leipzig

In the hotels around the BioCity Leipzig we have special discounts. Please do your own reservations with the PDF registration forms. Booking with this form and applying the quoted special rates will only be possible by **18th February 2005**
The prices apply per night and room and include breakfast and statutory VAT.

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further info   **leipzig05@bioscience-events.com**

Thursday 10th March 2005

8:00 – 9:00	Arrival & Registration

9:00 – 9:30	**Welcome by the Organizers & Opening of the Satellite-Symposium** Michael W. Pfaffl & Katharina Spanel-Borowski

9:30 – 12:45   Session 1:   Pre-analytical steps   Moderator: M. W. Pfaffl

9:30 – 10:15	**Neven Zoric** Coordinator of the TATAA Biocenter, Göteborg, Sweden What to do and not to do in reverse transcription !
10:15 – 10:45	**Thomas Kaiser** Corbett Research R&D, Sydney, Australia DNA Preparation on the X-tractor-Gene and pre-PCR setup on the CAS 1200.
10:45 – 11:15	Coffee break
11:15 – 11:45	**Debra Ann Nickson** European Senior Product Manager, Genomics, Invitrogen Europe, Paisley, Scotland Improving cDNA yields using SuperScript III.
11:45 – 12:15	**Marc Valer** Agilent Technologies, Waldbronn, Germany Chip based analysis of nucleic acids combined with RNA Integrity Number (RIN) algorithm enables fast, independent measurement of RNA quality.
12:15 – 12:45	**MarcValer** Agilent Technologies, Waldbronn, Germany Practical demonstration of the Bioanalyzer 2100.

12:45 – 13:45   Lunch and Poster Session: ABI, Artus Biotech, Exiqon, Premier Biosoft, Qiagen

13:45 – 15:30   Session 2:   Single cell PCR   Moderator: M. Kubista

13:45 – 14:30	**Stephen A. Bustin** Institute of Cell & Mol. Science, Queen Mary's School of Medicine & Dentistry, University of London Laser capture micro dissection for biologically meaningful quantification of mRNA.
14:30 – 15:00	**Anders Stahlberg** Department of Chemistry and Biosciences, Chalmers University of Technology, Sweden Gene Expression Profiling - From Tissue to Single cell.
15:00 – 15:30	**Tanja Nolan** Sigma-Aldrich Chemie Gmbh, Munich, Germany Accurate gene expression profiling from limiting material - facing the issues of normalization, efficiency and mRNA to protein correlation.
15:30 – 16:15	Coffee break

16:15 – 18:15   Session 3:   Probes Technologies   Moderator: S. Bustin

16:15 – 16:45	**Olfert Landt** TIB MOLBIOL Syntheselabor GmbH, Berlin, Germany Clamped-Probe-Assay: Detection and quantification of minor/minimal variants.
16:45 – 17:15	**Ralf Mauritz** Roche Applied Science, Diagnostics, Penzberg, Germany ProbeLibrary: One Transcriptome - One Kit.
17:15 – 17:45	**Andres Jarrin** Eppendorf, Germany Improved Real Time PCR Application using Novel Eppendorf Amplification Technologies.
17:45 – 18:15	**Uta Möllers** Application Specialist, Applied Biosystems TaqMan Assays - ....not only Primers and Probes.

20:00 –23:30	Banquet in the **Auerbachs Keller** in the city center of Leipzig www.auerbachs-keller-leipzig.de

Friday 11th March 2005

9:00 – 12:15	**Session 4: Quantification strategies & Optimization Moderator: S. Bustin**

9:00 – 9:45
Michael W. Pfaffl
Center of Life Science, Weihenstephan, Technical University of Munich, Germany
Quantification strategies in real-time RT-PCR.

9:45 –10:15
Mary Span
EUROGENTEC, Liege science park, Seraing, Belgium
Pitfalls in qPCR.

10:15 – 10:45
Thomas Kaiser
Corbett Research R&D, Sydney, Australia
qPCR normalization and optimization in the Rotor-Gene 3000.

10:45 – 11:15
Coffee break

11:15 – 11:45
Jim Huggett
Centre for Infectious Diseases & International Health, University College London, UK
Real time RT-PCR normalisation: methods and considerations.

11:45 – 12:15
Reinhold Müller
Stratagene R&D, La Jolla, USA
Considerations for standardizing qPCR assays.

12:15 – 13:15   Lunch and Poster Session: ABI, Artus Biotech, Exiqon, Premier Biosoft, Qiagen

13:15 – 14:45   Session 5:   Applications   Moderator: N. Zoric

13:15 – 13:45
Tomasz Czechowski
Molecular Plant Nutrition Group, MPI for Molecular Plantphysiology Golm, Germany
Real time RT-PCR profiling of over 1,400 Arabidopsis transcription factors: unprecedented sensitivity reveals novel tissue-specific genes.

13:45– 14:15
Hilary Srere
Bio-Rad Laboratories Europe, Munich, Germany
The Ups and Downs of Gene Expression: Characterization of New Tools Used for Gene Expression and Knockdown.

14:15 – 14:45
Linda Vigilant
Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
Applications of qPCR to genetic analyses of wild primates.

14:45 – 15:15
Coffee break

15:15 – 17:15   Session 6: Post PCR & BioInformatics   Moderator: M. W. Pfaffl

15:15 – 16:00
Mikael Kubista
Department of Chemistry and Biosciences, MultiD Analyses AB, Göteborg, Sweden
Gene expression analysis.

16:00 – 16:30
Jo Vandesompele
Center for Medical Genetics Ghent, Ghent University Hospital
Gene expression profiling: Accurate normalization and automated data-analysis.

16:30 – 17:00
Yevhen Vainshtein
EMBL Heidelberg, Meyerhofstrasse, Heidelberg, Germany
REST-384: an improved way of simple and precise qRT-PCR data evaluation.

17:00 – 17:15
Closing of the Symposium
Michael W. Pfaffl & Katharina Spanel-Borowski

Plan of the Bio City Leipzig lecture hall and industrial exhibition:

Industrial Exhibition:

1 Eppendorf
2 Stratagene
3 Finnzymes
4 Agilent Technologies
5 Sigma-Aldrich
6 Eurogentec
7 TIB-MOLBIOL
8 LTF + Corbett Research
9 Roche Diagnostics
10 Invitrogen
11 Bio-Rad

Lecture hall
for up to
200 people

Industrial Exhibition:

Posters:

Exiqon
Applied Biosystems
Premier Biosoft
Artus
Qiagen