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

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.

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  Marc Valer
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

Further info: leipzig05@bioscience-events.com
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
<th>Location/Institution</th>
<th>Topic</th>
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<tr>
<td>9:00 – 12:15</td>
<td>Session 4: Quantification strategies &amp; Optimization</td>
<td>Moderator: S. Bustin</td>
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<tr>
<td>9:00 – 9:45</td>
<td></td>
<td>Michael W. Pfaffl</td>
<td>Center of Life Science, Weihenstephan, Technical University of Munich, Germany</td>
<td>Quantification strategies in real-time RT-PCR.</td>
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<td>9:45 – 10:15</td>
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<td>Mary Span</td>
<td>EUROGENTEC, Liege science park, Seraing, Belgium</td>
<td>Pitfalls in qPCR.</td>
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<td>10:45 – 11:15</td>
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<td>11:15 – 11:45</td>
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<td>Jim Huggett</td>
<td>Centre for Infectious Diseases &amp; International Health, University College London, UK</td>
<td>Real time RT-PCR normalisation: methods and considerations.</td>
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<td>11:45 – 12:15</td>
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<td>Reinhold Müller</td>
<td>Stratagene R&amp;D, La Jolla, USA</td>
<td>Considerations for standardizing qPCR assays.</td>
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<td>12:15 – 13:15</td>
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<td>13:15 – 14:45</td>
<td>Session 5: Applications</td>
<td>Moderator: N. Zoric</td>
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<td>14:15 – 14:45</td>
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<td>Linda Vigilant</td>
<td>Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany</td>
<td>Applications of qPCR to genetic analyses of wild primates.</td>
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<td>14:45 – 15:15</td>
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<td>15:15 – 17:15</td>
<td>Session 6: Post PCR &amp; BioInformatics</td>
<td>Moderator: M. W. Pfaffl</td>
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<td>15:15 – 16:00</td>
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<td>Mikael Kubista</td>
<td>Department of Chemistry and Biosciences, MultiD Analyses AB, Göteborg, Sweden</td>
<td>Gene expression analysis.</td>
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<td>16:00 – 16:30</td>
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<td>Jo Vandesompele</td>
<td>Center for Medical Genetics Ghent, Ghent University Hospital</td>
<td>Gene expression profiling: Accurate normalization and automated data-analysis.</td>
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<td>16:30 – 17:00</td>
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<td>Yevhen Vainshtein</td>
<td>EMBL Heidelberg, Meyerhofstrasse, Heidelberg, Germany</td>
<td>REST-384: an improved way of simple and precise qRT-PCR data evaluation.</td>
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<td>17:00 – 17:15</td>
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<td>Closing of the Symposium</td>
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<td>Michael W. Pfaffl &amp; Katharina Spanel-Borowski</td>
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Plan of the Bio City Leipzig lecture hall and industrial exhibition:

**Industrial Exhibition:**
1. Eppendorf
2. Stratagene
3. Finzymes
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

further info leipzig05@bioscience-events.com