

9:00 - 9:30	Registration and coffee
Session 1: Optimization & Validation	
9:30 - 10:00	Essential precepts for unambiguous qPCR data reporting <i>Stephen Bustin, Barts and the London School of Medicine and Dentistry, London, UK (invited speaker)</i>
10:00 - 10:20	Requirements and Criteria for Optimization and Validation of Real-Time PCR assays <i>Marijke Raymaekers, Virga Jesse Hospital, Hasselt</i>
10:20 - 10:40	Development of a consistent protocol for qPCR analysis in azalea flowers <i>Ellen De Keyser, Institute for Agricultural and Fisheries Research, Melle</i>
10:40 - 11:00	Accuracy of sodium bisulphite conversion and real-time PCR for quantitative DNA methylation analysis <i>Ilse Van der Auwera, University of Antwerp</i>
11:00 - 11:30	Coffee break, booth visit
Session 2: Biomarkers	
11:30 - 11:50	Prognostic multigene expression classification of neuroblastoma patients, a SIOPEN study <i>Joëlle Vermeulen, Ghent University</i>
11:50 - 12:10	Application of realtime RT-QPCR to develop new biomarkers for soil quality assessment <i>Muriël de Boer, VU University Amsterdam</i>
12:10 - 12:30	Gene expression profiles of antioxidative enzymes and related miRNAs as a tool to identify metal-specific effects in <i>A. thaliana</i> <i>Karen Smeets, Hasselt University</i>
12:30 - 14:00	Lunch, poster session, booth visit, lead sponsor talks
13:00 - 13:15	New developments as answer to new challenges in Life Science <i>Katrien Royackers, Roche</i>
13:15 - 13:30	The new way to study Gene Expression <i>Nathalie Bernard, Applied Biosystems</i>
13:30 - 13:45	CFX96™ – How to design an instrument for the way researchers work <i>Marcus Neusser, Bio-Rad Laboratories</i>
Session3: Technical advancements	
14:00 - 14:30	Towards understanding the role of miRNAs in normal and malignant germ cell development <i>Leendert Looijenga, Rotterdam, the Netherlands (invited speaker)</i>
14:30 - 14:50	Quantitative multiplex detection of plant pathogens using a novel ligation probe-based system coupled with universal, high-throughput real-time PCR on OpenArrays <i>Ronald van Doorn, Plant Research International, Wageningen</i>
14:50 - 15:10	Significant difference or artefact of the method? The impact of thermocycler performance on results <i>Mary Span, Cyclertest, Landgraaf</i>
15:10 - 15:30	Stem-loop RT-PCR miRNA expression profiling using minute amounts of input RNA <i>Pieter Mestdagh, Ghent University</i>
15:30 - 16:00	Coffee break, booth visit
Session 4: Bioinformatics	
16:00 - 16:20	Amplification efficiency: linking baseline and bias in the analysis of quantitative PCR data <i>Jan Ruijter, Academic Medical Center, Amsterdam</i>
16:20 - 16:40	Discovery of noise-tolerant cancer specific biomarkers <i>Luc Dehaspe, Oncomethylome Sciences, Leuven</i>
16:40 - 17:00	High-throughput primer design and in silico assay validation <i>Filip Pattyn, Ghent University (invited speaker)</i>
17:00 - 17:15	Closure and awards
17:15 - 18:00	Drinks

Poster presentations

- 1 **QPCR of Campylobacter (jejuni) in surface water**
Gerhard Wubbels, Waterlaboratorium Noord, Glimmen
- 2 **MicroRNA expression analysis in multiple myeloma plasma cells and cell lines by a qPCR approach**
Marleen Bakkus, Hematology Lab UZ Brussel
- 3 **MicroRNA Profiling of EVI1 Deregulated Myeloid Leukemia**
An De Weer, Center for Medical Genetics, Ghent University Hospital
- 4 **Validation of reference genes for gene expression measurements in snap-frozen tissues from companion animals**
Louis Penning, Department of Clinical Sciences of Companion Animals, Faculty of Veterinary Medicine, Utrecht University
- 5 **Objective gene copy number profiling using real-time PCR**
Jan Hellemans, Center for Medical Genetics, Ghent University Hospital
- 6 **Validation of reference genes for quantitative RT-PCR studies in chicory (Cichorium intybus L.)**
Asad Maroufi, Institute for Agricultural and Fisheries Research, Melle
- 7 **Comparison of different isolation methods to measure small non-coding RNAs in FFPE**
*Germán Rodríguez González, 1 University of Las Palmas de Gran Canaria. Las Palmas de Gran Canaria
2 ErasmusMC Rotterdam. Rotterdam. The Netherlands*
- 8 **Preamplification protocol improves qRT-PCR sensitivity in formaline-fixed paraffin-embedded tissue**
Kirsten Ruigrok-Ritstier, Department of Medical Oncology, Erasmus MC, Rotterdam
- 9 **Effects of primer/template mismatches on real-time PCR quantification of GMOs**
Isabel Taverniers, Instituut voor Landbouw en Visserijonderzoek, Melle
- 10 **Accurate quantification of resistance-associated gene expression levels in C. albicans biofilms**
Heleen Nailis, Laboratory for Pharmaceutical Microbiology, Faculty of Pharmacy, Ghent University
- 11 **Quantification of EGFR T790M mutant transcripts in lung cancer cells resistant to receptor tyrosine kinase inhibitors (TKI)**
Gang Chen, Laboratory of Medical & Molecular Oncology, Universitair Ziekenhuis Brussel, Vrije Universiteit Brussel
- 12 **Evaluation of different methods for sensitive JAK2V617F detection**
Barbara Denys, Department of Clinical Chem, Microbiol and Immunology, Ghent University Hospital
- 13 **Development of a sensitive real-time PCR detection protocol for Xanthomonas fragariae in strawberry plant tissue**
Steve Baeyen, Institute for Agricultural and Fisheries Research, Melle
- 14 **Utilization of FTA (R) cards combined with one-step fluorescent RT-PCR for rapid detection of Tomato spotted wilt virus**
Steve Baeyen, Institute for Agricultural and Fisheries Research, Melle
- 15 **Use of reference genes in real-time PCR mRNA expression studies in the pig**
Tim Erkens, Animal Genetics Laboratory, Faculty of Veterinary Medicine, Ghent University
- 16 **Detection of JAK2 V617F mutation by real time PCR**
Anne Vankeerberghen, Molecular Biology Laboratory, OLV Hospital, Aalst
- 17 **A very sensitive QPCR method detect the JAK2V617F mutation in healthy donors**
Pierre Sidon, Department of Cytogenetics, Jules Bordet Institute, Brussels
- 18 **Importance of RNA quality control and selection of appropriate internal control genes in real time gene Expression analyses**
Claudina A Pérez Novo, Upper Airway Research Laboratory, Ghent University Hospital
- 19 **Multiplex quantitative real-time PCR assay for Epstein-Barr virus and human DNA and comparison of various blood compartments**
Marijke Reynders, CHU Saint Pierre, Brussels
- 20 **Gene expression analysis of growth factors in glomerulogenesis using Laser Capture Microdissection**
Ward De Spiegelaere, Department of Morphology, Faculty of Veterinary Medicine, Ghent University
- 21 **Multiplex real-time RT-PCR for simultaneous detection of GI/GII noroviruses and murine norovirus 1**
Ambros Stals, Institute for Agricultural and Fisheries Research, Melle
- 22 **Multiplex quantitative Real-Time PCR for Diagnosis of Aspergillosis**
Younes Maaroufi, CHU Saint Pierre, Brussels
- 23 **Quantitative, multiplex target detection using high-throughput, nanoliter volume PCR in OpenArrays**
Richard van Hoof, Plant Research International, Wageningen
- 24 **mRNA expression of BCL2, BAX, Caspase -3 and -7 cannot be used as a marker for apoptosis in bovine blastocysts**
Karen Goossens, Department of Nutrition, Genetics and Ethology, Ghent University
- 25 **Gene expression signatures in zebrafish embryos: the use of qPCR to validate array results**
Patrick De Boever, Flemish Institute for Technological Research (VITO N.V.), Mol

- 26 **Human in vitro cultured monocytes or macrophages: a valuable alternative for CD34⁺ progenitor-derived dendritic cells to distinguish between contact sensitizers and non-sensitizers?**
Patrick De Boever, Flemish Institute for Technological Research (VITO N.V.), Mol
- 27 **High Resolution Melting on the LC480 : our PAH gene experience**
Nawfal Faïk, Medical Genetics Dpt, Erasme hospital, Brussels
- 28 **Unraveling deregulations in the migratory system of invasive breast cancer cells using qRT-PCR-based transcriptomics: focus on ADF/cofilins**
Marleen Van Troys, Department of Biochemistry, UGent & Department of Medical Protein Chemistry, VIB
- 29 **Normalisation of real-time RT-PCR gene expression in free-living flatworms exposed to different stress factors**
Ellen Geerdens, Hasselt University
- 30 **Free-living flatworms as model organism to study the molecular effects of cadmium and hexavalent chromium**
Michelle Plusquin, Hasselt University
- 31 **SYTO-82 optimization in real-time PCR of Mycobacterium smegmatis cultures**
Ray Cursons, University of Waikato, New Zealand
- 32 **Useful reference genes for qPCR in goat (Capra hircus)**
Mario Van Poucke, Faculty of Veterinary Medicine, Ghent University
- 33 **Optimization of Standard Operating Procedure for quantitative real-time PCR in equine embryos**
Katrien Smits, Department of Reproduction, Obstetrics and Herd Health, Ghent University
- 34 **Large scale exon deletion screening using high-throughput continuous flow nanofluidic real-time PCR**
Barbara D'haene, Center for Medical Genetics, Ghent University Hospital
- 35 **RDML: structured data format and guidelines for the exchange and storage of real-time PCR data**
Steve Lefever, Center for Medical Genetics, Ghent University Hospital
- 36 **Selection of reference genes for quantitative RT-PCR studies in striped dolphin (Stenella coeruleoalba)**
Giacomo Spinsanti, Department of Evolutionary Biology, University of Siena, Siena, Italy