

## Programme

8:30	<b>Registration opens</b>
9:00	<b>Welcoming opening address</b> - Ward De Spiegelaere, Ghent University, Belgium
9:15	<b>Keynote lecture</b> <i>Digital PCR, a technology for the future?</i> Jim Huggett, LGC, University of Surrey, UK
9:50	<b>Session 1: Technology</b> <i>Towards a reproducible digital PCR data ecosystem with DDES: a community-supported digital PCR data essentials standard</i> - Matthijs Vynck, Ghent University, Belgium  <i>The digital PCR Cross-Comparison study (dPCR-CroCo): a quantification benchmark</i> - Wim Trypsteen, Ghent University, Belgium
10:10	<u><i>Unleashing the potential of multiplexing in digital PCR applications on the QuantStudio Absolute Q digital PCR system</i></u> - Tibor Füle (Sponsored talk – ThermoFisher Scientific)  <u><i>Private mutation monitoring using the Digital LightCycler</i></u> - Gertjan Wils (Sponsored talk – Roche)
10:30	<b>Coffee break and poster viewing</b>
11:00	<b>Session 2: Oncology</b> <i>Invited talk: Optimizing and applying DNA methylation dPCR for liquid biopsy based monitoring of cancer</i> - Heidi Pharo, Oslo University Hospital, Norway  <i>Invited talk: The use of dPCR to monitor response to treatment in cancer patients</i> - Marzia Del Re, University of Pisa, Italy  <i>Surveillance of disease progression in metastatic breast cancer by molecular counting of circulating tumor DNA using Plasma SeqSensei-Breast IVD assay</i> - Geert Martens, General Hospital Delta, Belgium  <i>Simultaneous detection of eight cancer types using a multiplex droplet digital PCR assay</i> - Isabelle Neefs, Antwerp University Hospital, Belgium  <i>ESR1 mutation detection in FFPE and plasma DNA of breast cancer patients using Crystal Digital PCR® and Nio+</i> - Cécile Jovelet, Stilla Technologies, France  <i>An in-house developed, sodium bisulfite-free, digital PCR-based method for quantification of DNA methylation biomarkers is valuable for diagnostic challenging early Sézary Syndrome patients</i> - Willem Zoutman, Leiden University Medical Centre, Netherlands
12:40	Meet the Nio™+ - Alice Spenlehauer, Stilla Technologies (sponsored talk by Stilla Technologies)
12:50	<b>Lunch and poster viewing</b>
13:50	<b>Session 3: Methods</b> <i>Invited talk: Digital melt analysis for broad-based, probe-free pathogen profiling</i> - Stephanie Fraley, University of California San Diego, CA, USA  <i>Reporter emission multiplexing increases detection capacities of digital PCR devices leading to sensitive, precise and specific liquid biopsy assays</i> - Silvia Calabrese, Hahn-Schickard-Gesellschaft für angewandte Forschung, Germany  <i>Allele-specific digital PCR enhances precision and sensitivity in the detection and quantification of copy number alterations in heterogeneous DNA samples</i> - Rogier Nell, Leiden University Medical Center, Netherlands  <i>Technical comparison of quantitative, digital and real-time digital PCR instruments</i> - David Gleerup, Ghent University, Belgium  <i>Total and encapsidated residual DNA in AAV production</i> - Antonio Salgado, Exothera SA, Belgium  <i>Benchmarking digital PCR partition classification methods with empirical and simulated duplex data</i> - Yao Chen, Ghent University, Belgium
15:10	<u><i>Thinking outside the box: advanced applications of droplet digital PCR</i></u> - Caroline Weydert (Sponsored talk – Bio-Rad)  <u><i>Detecting FLT3-TKD mutations with double drop dPCR</i></u> - Karl Vandepoele, Ghent University Hospital (sponsored talk by Qiagen)
15:30	<b>Coffee break and poster viewing</b>
16:00	<b>Session 4: Infectious diseases</b> <i>Invited talk: The evolution of dPCR in the quantification of viral reservoirs</i> - Jori Symons, Univeristy Medical Center Utrecht, Netherlands

	<i>Validation according to the ISO 20395:2019 of a digital PCR aimed at quantifying Salmonella enterica var. Infantis from poultry faeces</i> - Matteo Richi, Istituto Zooprofilattico Sperimentale Lombardia e Emilia Romagna, Italy
	<i>The Rainbow 5-plex digital PCR assay improves quantification of the viral reservoir</i> - Mareva Delporte, Ghent University, Belgium
16:50	<u>Advanced NIPT Detection of Trisomy Disorders Through Multiplexing Digital PCR Assay</u> - Frank Lin, Sniper (sponsored talk by Sniper Medical Technology)
17:00	<b>Session 5: Environmental, food and plant science</b> <i>Invited talk: From field to fork – innovative applications of dPCR in plant breeding and food control</i> - Antoon Llevens, BASF Innovation Centre, Belgium  <i>Implementation of multi-marker ddPCR analyses significantly increases reliability and precision of species detections and quantification in eDNA research</i> - Rein Brys, Research Institute for Nature and Forest (INBO), Belgium  <i>Using dPCR and eDNA to delineate the spawning period of three commercially important fish species</i> - Isolde Cornelis, Flanders Institute for Agriculture, Fisheries and Food, Belgium  <i>Advancing plant pathogen diagnostics: evaluation of a dPCR method for Xylella fastidiosa as a potential reference measurement procedure</i> - Alexandra Bogožalec Košir, National Institute of Biology, Slovenia
18:00	<b>Closing remarks</b> Ward De Spiegelaere, Ghent University, Belgium
19:00	<b>Poster viewing with drinks and snacks</b> Close

