



Agenda: 1st ctDNA Technology Meeting of 2025,

March 26th, 4 – 6 PM CET

ELBS Workshop on Data Integration of Methylation and Fragmentomics in cfDNA

Work Package Leads: Ellen Heitzer, Ed Schuurin, Patrizio Giacomini

<https://uni-hamburg.zoom.us/j/69858972253?pwd=zxS9W3bryqLU1lb6PWRLVcuHIYV4Tq.1>

16:00 – 16:05	Welcome
16:00 – 16:05	Welcome by the WG leads
16:05 – 16:30	Academic Presentation(s) Moderation by WG leads
16:05 – 16:30	Presentation by Dr. Michaël Noë (<i>Nederlands Kanker Instituut, The Netherlands</i>) Title: DNA methylation and gene expression as determinants of genome-wide cell-free DNA fragmentation • Discussion (5 min)
16:30 – 17:15	Industry Presentations: available commercial solutions • Moderation by Ellen Heitzer and Ed Schuurin
16:30 – 16:45	Presentation by Danielle Goldberg (<i>Global PM, Illumina</i>) and Suzanne Rohrback (<i>R&D, Illumina</i>) Title: Capturing multiomic cfDNA signatures with Illumina 5-base • Discussion (5 min)
16:45 – 17:00	Presentation by Dr. Tom Charlesworth (<i>Biomodal</i>) Title: 5-methylcytosine and 5-hydroxymethylcytosine are synergistic biomarkers for early detection of colorectal cancer • Discussion (5 min)

17:00 – 17:15	Presentation by Dr. Hélène Bauby (QIAGEN) Title: QIAseq Targeted Methyl Panels: A liquid biopsy-compatible solution for detection of methyl markers • Discussion (5 min)
17:15 – 17:30	Presentation by Dr. Krystyna Nahlik (LGC) Title: Advancing Donor-derived circulating tumor methylated DNA Reference Standards
17:30 – 18:05	Industry Presentations: Commercial solutions being developed - an EU perspective Moderation by Patrizio Giacomini and Marc Van Den Bulcke
17:30 – 17:35	Introduction by Prof. Marc Van Den Bulcke (Sciensano) Title: OncNGS, Introduction of OncNGS PCP
17:35 – 17:50	Presentation by Dr. Alessandro Agostino (Agilent) Title: Agilent solution for the OncNGS project
17:50 – 18:05	Presentation by Prof. Joris Vermeesch (Katholic University of Leuven) Title: Integrating of fragmentome and mutation based tumor cfDNA profiling
	Open Discussion Moderation by WG leads
	Open discussion with attendees and closing of meeting