



28-30 August 2017
LKI SYMPOSIUM

**LIQUID BIOPSIES
& CANCER**

Program

LKI Symposium "Liquid Biopsies & Cancer" Leuven, University Hall, 28-30 August 2017

We are happy to announce our upcoming symposium on Liquid Biopsies & Cancer, on August 28-30, 2017. The symposium is organised by the Leuven Cancer Institute (LKI), in a joint effort of the KU Leuven and the University Hospitals Leuven.

With this symposium, we intend to gather all current and future users of liquid biopsies, and anyone with a clinical or basic scientific interest in this exciting and burgeoning field. The multidisciplinary audience will consist of oncologists, pathologists, clinical chemists, geneticists, organ specialists with an oncological focus...but also basic scientists and researchers from biotech and pharma industries.

Topics covered:

- Circulating tumour cells, nucleic acids, vesicles, lipids, metabolites...
- Moving into the clinic: applications of liquid biopsies in various oncological disciplines
- New approaches to liquid biopsies

Day 1 (28 August)

12:00 - 13:30 Registration
13:30 - 14:00 Welcome and opening

Session 1: Circulating tumour cells

14:00 - 14:30 **Prof. Dr. Klaus Pantel** (University Medical Center Hamburg-Eppendorf) *Clinical Applications of Circulating Tumor Cells in Cancer Patients*

14:30 - 15:10 Poster blitz sessions (20 posters, 2-min each)

15:10 - 15:40 **Prof. Dr. Catherine Alix-Panabières** (Centre Hospitalier Universitaire de Montpellier) *Molecular Portrait of Metastasis-Competent Circulating Tumor Cells*

15:40 - 16:10 **Prof. Dr. Liesbet Laga** (IMEC Leuven) *Liquid biopsies go digital - chip based tools to capture and inspect circulating tumor cells.*

16:10 - 16:30 REFRESHMENTS

Session 2: Moving into the clinic: liquid biopsies in gynecological cancers

16:30 - 17:00 **Dr. Adriaan Vanderstichele** (University Hospitals Leuven & VIB-KU Leuven) *Implementing cell-free DNA analysis as a diagnostic, prognostic and predictive biomarker in ovarian cancer*

17:00 - 17:20 Selected oral communication

17:20 - 17:50 **Prof. Dr. Michail Ignatiadis** (Institut Jules Bordet, Brussels) *Liquid biopsy in breast cancer : challenges and opportunities on the road to clinical utility*

17:50 - 18:10 Selected oral communication

18:10 - 18:15 Concluding remarks day 1

18.30 - 19.30 Belgian beer reception in the historical Leuven City Hall (1439), offered by the Lord Mayor of Leuven

19.30 - 22.00 Dinner (speakers)

Day 2 (29 August)

08:30 - 08:50 Arrival
08:50 - 09:00 Welcome

Session 3: Circulating nucleic acids

09:00 - 09:30 **Prof. Dr. Ellen Heitzer** (Institute of Human Genetics Medical University, Graz) *Pro and cons of genome-wide profiling of cell-free circulating DNA*
09:30 - 10:00 **Prof. Dr. Joris Vermeesch** (Center for Human Genetics, KU Leuven) *Title to be announced*
10:00 - 10:30 **Dr Florent Mouliere** (Cambridge Cancer Centre, University of Cambridge) *Guiding sequencing by the structural features of circulating tumour DNA improves its detection in plasma*
10:30 - 10:50 Selected oral communication

Session 4: Circulating vesicles

10:50 - 11:20 **Prof Dr Pascale Zimmermann** (Centre de Recherche en Cancérologie de Marseille) *Exosomes: moving from bench to bed?*
11:20 - 12:00 Poster blitz sessions (20 posters, 2-min each)
12:00 - 12:40 **Prof. Dr. Michiel Pegtel** (VU University Medical Center, Amsterdam) *Extracellular Vesicle associated RNA as liquid biopsy source for cancer diagnostics*
12:40 - 13:00 Selected oral communication

13:00 - 14:00 LUNCH - poster viewing – meet the expert lunch

Session 5: Circulating proteins, lipids, metabolites

14:00 - 14:30 **Prof. Dr. Rita Derua** (Cellular & Molecular Medicine, KU Leuven) *State-of-the-art shotgun-MS approaches for identification and (semi)quantification of (phospho)lipids in complex biological samples*
14:30 - 14:50 Selected oral communication
14:50 - 15:20 **Prof. Dr. Sarah-Maria Fendt** (VIB-KU Leuven) *Following lipid metabolism in cancer*
15:20 – 15:40 Selected oral communication
15:40 - 16:00 REFRESHMENTS

Session 6: Moving into the clinic: liquid biopsies in gastrointestinal cancer

16:00 - 16:30 **Prof. Dr. Federica Di Nicolantonio** (Cancer Epigenetics, Istituto di Candiolo, Torino) *Monitoring colorectal cancer genomic evolution in liquid biopsy*
16:30 - 16:50 Selected oral communication
16:50 - 17:20 **Prof. Dr. Hans Prenen** (University Hospitals Leuven & KU Leuven) *Liquid biopsies as screening and follow-up tool in colorectal cancer*
17:20 - 17:40 Selected oral communication
17:40 - 18:00 Best poster awards and concluding remarks day 2

18.00 - 19:00 Reception followed by
19:00 - 22:00 walking dinner (in the Jubileum Hall, a 15th century Leuven University Hall)

Day 3 (30 August)

Session 7: Moving into the clinic: liquid biopsies in lung cancer and haematologic malignancies

09:00 - 09:30 **Prof. Dr. Michel van den Heuvel** (Radboud University, Nijmegen) *Liquid biopsy-guided approaches for lung cancer*
09:30 - 09:50 Dr Els Wauters (University Hospitals Leuven & VIB-KU Leuven) *Title to be announced*
09:50 - 10:20 **Prof. Dr. Peter Vandenberghe** (University Hospitals Leuven & KU Leuven) *Circulating tumour DNA in Hodgkin lymphoma and Non-Hodgkin lymphoma*
10:20 - 10:40 Selected oral communication
10:40 - 11:00 REFRESHMENTS

Session 8: New approaches to liquid biopsies

11:00 - 11:30 **Prof. Dr Tom Wurdinger** (VU University Medical Center, Amsterdam) *Tumor-educated platelets as novel liquid biopsy biosource*
11:30 - 11:50 Selected oral communication
11:50 - 12:20 **Prof. Dr Diether Lambrechts** (VIB-KU Leuven) *Title to be announced*
12:20 - 12:40 Selected oral communication
12:40 - 13:00 Concluding remarks

CONFERENCE VENUE



KU Leuven, University Hall



Leuven, Market square



KU Leuven, Jubileum Hall

The symposium will take place at the KU Leuven University Hall. It is the monumental heart and official seat of the University. Originally built in 1317, it was first a commercial centre for the wool and cloth trade. After the decline of this trade, the university started its activities in this hall in 1425 and remained there forever since.

The lectures will be held at the Promotion room of the University Hall. This oak paneled hall, lined with the portraits of former rectors, is the location where the university convenes for its most prestigious activities: the celebration of honorary doctorates, graduations, conferences.

Poster sessions and company booths will be hosted in the Jubileum Hall, right opposite of the Promotion room within the same building. This arcaded hall was built in 1680 on top of the original cloth hall at the ground floor. Part of the university's art collection can be viewed here. This is also where the walking dinner will be held.

ABOUT KU LEUVEN



Founded in 1425, the University of Leuven – KU Leuven has been a centre of learning for nearly six centuries. Today, it is Belgium's largest and highest-ranked university as well as one of the oldest and most renowned universities in Europe. As a leading European research university and co-founder of the League of European Research Universities ([LERU](#)), KU Leuven offers a wide variety of international master's programmes, all supported by high-quality, [innovative](#), interdisciplinary research. From Science, Engineering and Technology to the Humanities and Social Sciences, KU Leuven has [16 faculties](#) and offers degree programmes in virtually every academic discipline. The [Leuven Cancer Institute](#) (LKI) was established as part of KU Leuven and University Hospitals Leuven. At LKI basic scientists, clinical researchers and doctors join forces. Their aim is to fight cancer even more effectively and to offer the best chances to patients with cancer. LKI strives for a leading position in care, diagnosis, therapy, research and training.

Conference website: www.lkisymposium.be

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