

BASIC COURSE IN MOLECULAR PATHOLOGY

March 24th – 25th, 2023

Antwerp

[Register](#)

PROGRAMME - COURSE GIVEN IN DUTCH

Day 1 – Friday 24 March 2023

TIME	SUBJECT
10u00 – 10u10	<i>Course Introduction</i>
<i>An introduction to cancer cell genetics/epigenetics</i>	
10u10 – 10u40	An introduction to cancer cell genetics (Prof. Dr. N. Van Roy, UZ Gent)
10u40 – 11u10	An introduction to epigenetics (Dr. L. Spans, UZ Leuven)
11u10 – 11u20	<i>Break</i>
<i>DNA repair and genome integrity</i>	
11u20 – 12u00	DNA mismatch repair – microsatellite instability (IHC vs. PCR vs. NGS) (Dr. F. Dedeurwaerdere, AZ Delta Roeselare)
12u00 – 12u40	DNA breaks (SSB-DSB; synthetic lethality in HRD) (Prof. Dr. K. Claes, UZ Gent)
12u40 – 13u30	<i>Lunch</i>
<i>Signaling pathways in cancer (Prof. Dr. P. Pauwels, UZ Antwerpen)</i>	
13u30 – 14u40	Signaling pathways in cancer
<i>Next Generation Sequencing (Dr. G. Broeckx, ZN Antwerpen)</i>	
14u40 – 15u30	General introduction: the basics of NGS.
15u30 – 16u10	NGS data analysis: practical aspects (pre-analytics, variant interpretation theory, tariffication rules)

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Day 2 – Saturday 24 March 2023

TIME	SUBJECT
9u30 - 10u00	Molecular testing: the oncologist's point of view (to be determined)
10u00 – 10u40	Immunohistochemistry and fluorescence in situ hybridization: practical aspects. (Dr. J. Van Huysse, AZ Sint-Jan, Brugge)
10u40 – 11u10	Liquid biopsy: introduction and clinical applications (Prof. dr. G. Martens, AZ Delta Roeselare)
11u10 – 11u20	<i>Break</i>
<i>An introduction to onco-immunology (Dr. V. Siozopoulou, UZ Antwerpen)</i>	
11u20 – 12u10	Basics
12u10 – 12u45	<i>Lunch</i>
12u45 – 13u35	Biomarkers
13u35 – 13u50	<i>Break</i>
<i>Practical cases: how to solve your problems (Prof. Dr. P. Pauwels, UZ Antwerpen)</i>	
13u50 – 15u00	Practical cases, how to solve your problems?
<i>Closure</i>	
15u00 – 15u15	<i>Closing statements</i>