

BASIC COURSE IN MOLECULAR PATHOLOGY

March 24th – 25th, 2023

Antwerp

[Register](#)

PROGRAMME - COURSE GIVEN IN FRENCH

Day 1 – Friday 24 March 2023

TIME	SUBJECT
10u00 – 10u10	<i>Course Introduction</i>
<i>An introduction to cancer cell genetics/epigenetics (C. Van Campenhout, ULB)</i>	
10u10 – 10u40	An introduction to cancer cell genetics
10u40 – 11u10	An introduction to epigenetics
11u10 – 11u20	<i>Break</i>
<i>DNA repair and genome integrity (Dr. Martin Martinez, IPG)</i>	
11u20 – 12u00	DNA mismatch repair – microsatellite instability (IHC vs. PCR vs. NGS)
12u00 – 12u40	DNA breaks (SSB-DSB; synthetic lethality in HRD)
12u40 – 13u30	<i>Lunch</i>
<i>Signaling pathways in cancer (prof. Dr. Galant, UCL)</i>	
13u30 – 14u40	Signaling pathways in cancer
<i>Next Generation Sequencing (C. Van Campenhout, ULB)</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
9u00 – 10u00	Molecular testing: the oncologist's point of view (to be determined)
10u00 – 10u40	Immunohistochemistry and fluorescence in situ hybridization: practical aspects. (Dr. N. D'Haene, ULB)
10u40 – 11u10	Liquid biopsy: introduction and clinical applications (A. Schiavo, ULB)
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 (Dr. Martin Martinez, IPG - Dr. N. D'Haene, ULB)</i>	
13u50 – 15u00	Practical cases, how to solve your problems?
<i>Closure</i>	
15u00 – 15u15	<i>Closing statements</i>