

I

EUROPEAN DIPLOMA IN CLASSICAL AND MOLECULAR CYTOGENETICS

2026

SESSIONS - LECTURERS	TITLE	Start	DURATION
Monday, March 23	Chromosome analysis methods 1		7h 0min
J.M. DUPONT (Paris - FRANCE)	Welcome - Introduction to the course	08:30	1h 0min
		09:00	
J.M. DUPONT (Paris - FRANCE)	A brief overview of cytogenetics	09:30	0h 30min
K. MILLER (Hannover - GERMANY)	Genetic counselling - Ethical issues	10:00	1h 0min
		10:30	
	Break	11:00	0h 15min
K. MILLER (Hannover - GERMANY)	Marker and ring chromosomes	11:15	1h 0min
		11:45	
	LUNCH	12:15	
K. MILLER (Hannover - GERMANY)	Prenatal Diagnosis	14:00	1h 0min
		14:30	
J. VERMEESCH (Leuven - BELGIUM)	Genome architecture	15:00	1h 0min
		15:30	
	Break	16:00	0h 15min
J. VERMEESCH (Leuven - BELGIUM)	Chromosome microarray analysis	16:15	1h 30min
		16:45	
		17:15	
		17:45	
Tuesday, March 24	Chromosome analysis methods 2 - Oncology		7h 0min
	QUIZ	08:30	0h 30min
B. DEWAELE (Leuven - BELGIUM)	Optical Genome Mapping	09:00	1h 0min
		09:30	
B. DEWAELE (Leuven - BELGIUM)	Liquid biopsy	10:00	1h 0min
		10:30	
	Break	11:00	0h 15min
K. MILLER (Hannover - GERMANY)	ISCN 2024	11:15	1h 0min
		12:15	
B. DEWAELE (Leuven - BELGIUM)	ISCN 2024 Onco hematology	12:15	0h 30min
		12:45	
	LUNCH	12:45	
J. VERMEESCH (Leuven - BELGIUM)	Short and long read NGS in cytogenetics	14:15	1h 0min
		14:45	
J.M. GARCIA SAGREDO (Madrid - SPAIN)	Diagnosis of predisposition to cancer. Chromosome mutagenesis.	15:15	1h 0min
	Break	16:15	0h 15min
J.M. GARCIA SAGREDO (Madrid - SPAIN)	Chromosome instability syndromes.	16:30	1h 0min
		17:00	
K. MILLER (Hannover - GERMANY)	Quality assessment	17:30	0h 30min
		18:00	
Wednesday, March 25	Chromosome analysis methods 3		3h 45min
	QUIZ	08:30	0h 30min
J.M. DUPONT (Paris - FRANCE)	Techniques of cell culture. Chromosome staining methods	09:00	1h 15min
		09:30	
		10:00	
	Break	10:15	0h 15min
J.M. DUPONT (Paris - FRANCE)	Fluorescent in Situ Hybridization	10:30	1h 0min
		11:00	
J.M. DUPONT (Paris - FRANCE)	Chromosome abnormalities	11:30	1h 0min
		12:15	
	LUNCH	12:30	
		14:00	
		14:30	
	Nîmes Tour	15:00	3h 0min
Thursday, March 26	Clinical Cytogenetics 1		8h 0min
	QUIZ	08:30	0h 30min
K. MADAN (Leiden - NETHERLANDS)	Clinical cytogenetics I - Polymorphism, numerical anomalies, robertsonian translocations	09:00	1h 0min
		09:30	
J.M. DUPONT (Paris - FRANCE)	Prenatal screening for chromosomal abnormalities	10:00	0h 45min
		10:30	
	Break	10:45	0h 15min
K. MADAN (Leiden - NETHERLANDS)	Clinical cytogenetics II - Reciprocal translocations, inversions, insertions	11:00	1h 30min
		11:30	
		12:00	

	LUNCH	12:30	
J.M. DUPONT (Paris - FRANCE)	NIPT: Non Invasive Prenatal Screening	14:00	1h 0min
		14:30	
B. BED'HOM (Paris - FRANCE)	Animal cytogenetics	15:00	1h 0min
		15:30	
	Break	16:00	0h 15min
F. PELLESTOR (Montpellier - France)	Chromoanagenesis	16:15	1h 30min
		16:45	
J.M. DUPONT (Paris - FRANCE)	Molecular mechanisms of structural chromosome anomalies	17:15	0h 45min
		18:00	

Friday, March 27	Clinical Cytogenetics 2		9h 0min
	QUIZ	08:30	0h 30min
E. SYK LUNDBERG (Stockholm - SWEDEN)	Preimplantation Genetic Diagnosis	09:00	1h 0min
		09:30	
K. MADAN (Leiden - NETHERLANDS)	Clinical cytogenetics III - Sex chromosomes, Disorders of sex development	10:00	1h 0min
		10:30	
	Break	11:00	0h 15min
E. SYK LUNDBERG (Stockholm - SWEDEN)	Genomic imprinting and diseases - Uniparental Disomy	11:15	1h 30min
		11:45	
		12:15	
	LUNCH	12:45	
J. BLANCO RODRIGUEZ	(Cyto)genetics of human infertility	14:15	1h 0min
		14:45	
M. ROCCHI (Bari - ITALY)	Human genome plasticity	15:15	1h 0min
		15:45	
	Break	16:00	0h 15min
K. MILLER (Hannover - GERMANY)	ISCN interactive training	16:15	2h 0min
J.M. DUPONT (Paris - FRANCE)		16:45	
		17:15	
		17:45	
	Course ceremony	19:30	1h 30min
M. ROCCHI (Bari - ITALY)	Keynote lecture : Mendel and Darwin	21:00	1h 0min

Saturday, March 28	Clinical and Cancer cytogenetics		7h 0min
	QUIZ	08:30	0h 30min
K. MADAN (Leiden - NETHERLANDS)	Clinical cytogenetics IV - Complex chromosome rearrangements	09:00	1h 0min
		09:30	
L. ALLOU (London - ENGLAND)	3D genome in the interphase nucleus	10:00	1h 0min
		10:30	
	Break	11:00	0h 15min
L. ALLOU (London - ENGLAND)	Structure of metaphase chromosome	11:15	1h 0min
		11:45	
	LUNCH	12:15	
A. LINDSTRAND (Stockholm - SWEDEN)	Cytogenomics strategies in ID patients	14:00	1h 0min
		14:30	
R. VANNI (Cagliari - ITALY)	Solid Tumor Cytogenetics: A Historical Journey of Discovery and Innovation	15:00	1h 0min
		15:30	
	Break	16:00	0h 15min
T. LAVABRE-BERTRAND (Montpellier - FRANCE)	From cytogenetics to clinical applications in onco-haematology	16:15	1h 30min
		16:45	
		17:15	
		17:45	

Sunday, March 29	Chromosome Biology		3h 30min
	QUIZ	08:30	0h 30min
J.M. DUPONT (Paris - FRANCE)	Origin of constitutional aneuploidies	09:00	1h 0min
		09:30	
M. ROCCHI (Bari - ITALY)	Evolution of chromosomes	10:00	1h 0min
		10:30	
J.S. HESLOP-HARRISON (Leicester - ENGLAND)	Plant cytogenetics	11:00	1h 0min
		11:30	
	CLOSURE OF THE COURSE	12:00	

45h 15min

ONLINE examination on TUESDAY April 7th	12:00	1h 0min
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