

	EUROPEAN DIPLOMA IN CLASSICAL AND MOLECULAR CYTOGENETICS	2027	
SESSIONS - LECTURERS	TITLE	Start	DURATION
Monday, March 15	Chromosome analysis methods 1		7h 0min
J.M. DUPONT (Paris - FRANCE)	Welcome - Introduction to the course	8:30	1h 0min
		9:00	
J.M. DUPONT (Paris - FRANCE)	A brief overview of cytogenetics	9:30	0h 30min
J.M. DUPONT (Paris - FRANCE)	Chromosome abnormalities: classification and consequences	10:00	0h 45min
		10:30	
	Break	11:00	0h 15min
F. PELLESTOR (Montpellier - FRANCE)	Chromoanagenesis	11:15	1h 15min
		11:45	
	LUNCH	12:15	
J.M. DUPONT (Paris - FRANCE)	Techniques of cell culture. Chromosome staining methods	14:00	1h 0min
		14:30	
F. PELLESTOR (Montpellier - FRANCE)	Fluorescent in Situ Hybridization	15:00	1h 0min
		15:30	
	Break	16:00	0h 15min
J.M. DUPONT (Paris - FRANCE)	ISCN 2024	16:15	1h 30min
		16:45	
B. DEWAELE (Leuven - BELGIUM)	ISCN 2024 Onco hematology	17:15	
		17:45	
Tuesday, March 16	Chromosome analysis methods 2 - Cytogenomics		7h 15min
	QUIZ	8:30	0h 30min
J. VERMEESCH (Leuven - BELGIUM)	Chromosome microarray analysis	9:00	0h 45min
		9:30	
B. DEWAELE (Leuven - BELGIUM)	Optical Genome Mapping	9:45	1h 0min
		10:15	
	Break	10:45	0h 15min
J. VERMEESCH (Leuven - BELGIUM)	Short and long read NGS in cytogenetics	11:00	1h 0min
		11:30	
	LUNCH	12:00	
A. LINDSTRAND (Stockholm - SWEDEN)	Cytogenomics strategies in ID patients	14:00	1h 0min
B. DEWAELE (Leuven - BELGIUM)	Liquid biopsy	15:00	0h 45min
J. VERMEESCH (Leuven - BELGIUM)	Cell divisions during early embryogenesis	15:45	0h 45min
	Break	16:30	0h 15min
B. DEWAELE (Leuven - BELGIUM)	Practical training in NGS and Genome mapping analysis	16:45	1h 30min
A. LINDSTRAND (Stockholm - SWEDEN)		17:15	
		17:45	
Wednesday, March 17	Chromosome analysis methods 3 - Prenatal		3h 15min
	QUIZ	8:30	0h 30min
J.M. DUPONT (Paris - FRANCE)	Prenatal screening for chromosomal abnormalities	9:00	1h 0min
		9:30	
J.M. DUPONT (Paris - FRANCE)	NIPT: Non Invasive Prenatal Screening	10:00	1h 0min
	Break	11:00	0h 15min
K. MILLER (Hannover - GERMANY)	Prenatal Diagnosis	11:15	1h 0min
		12:15	
	LUNCH	12:30	
		14:00	
		14:30	
	Nimes Tour	15:00	3h 0min
Thursday, March 18	Clinical Cytogenetics 1		7h 15min
	QUIZ	8:30	0h 30min
K. MADAN (Leiden - NETHERLANDS)	Clinical cytogenetics I - Polymorphism, numerical anomalies, robertsonian translocations	9:00	1h 0min
		9:30	
K. MILLER (Hannover - GERMANY)	Genetic counselling - Ethical issues	10:00	0h 45min
		10:30	
	Break	10:45	0h 15min
K. MILLER (Hannover - GERMANY)	Quality assessment	11:00	0h 45min
		11:30	
J.M. DUPONT (Paris - FRANCE)	Origin of constitutional aneuploidies	11:45	0h 45min
		12:00	

		LUNCH	12:30	
	K. MILLER (Hannover - GERMANY)	Marker and ring chromosomes	14:00	1h 0min
			14:30	
	M. ROCCHI (Bari - ITALY)	Human genome plasticity	15:00	1h 0min
			15:30	
		Break	16:00	0h 15min
	K. MADAN (Leiden - NETHERLANDS)	Clinical cytogenetics II - Reciprocal translocations, inversions, insertions	16:15	1h 30min
			16:45	
			17:15	
			17:45	
Friday, March 19		Clinical Cytogenetics 2		7h 0min
		QUIZ	8:30	0h 30min
	E. SYK LUNDBERG (Stockholm - SWEDEN)	Preimplantation Genetic Diagnosis	9:00	0h 45min
			9:30	
	K. MADAN (Leiden - NETHERLANDS)	Clinical cytogenetics III - Sex chromosomes, Disorders of sex development	9:45	1h 0min
			10:15	
		Break	10:45	0h 15min
	K. MILLER (Hannover - GERMANY)	ISCN interactive training	11:00	1h 30min
	J.M. DUPONT (Paris - FRANCE)		11:15	
			11:45	
		LUNCH	12:30	
	J. BLANCO RODRIGUEZ	(Cyto)genetics of human infertility	14:15	1h 0min
			14:45	
	L. ALLOU (London - ENGLAND)	3D genome in the interphase nucleus	15:15	0h 45min
			15:30	
		Break	16:00	0h 15min
	L. ALLOU (London - ENGLAND)	Structure of metaphase chromosome	16:15	0h 45min
			16:45	
	J.M. DUPONT (Paris - FRANCE)	Molecular mechanisms of structural chromosome anomalies	17:00	0h 45min
			17:45	
		Course ceremony	19:30	1h 30min
	M. ROCCHI (Bari - ITALY)	Keynote lecture : Mendel and Darwin	21:00	1h 0min
Saturday, March 20		Clinical and Cancer cytogenetics		7h 0min
		QUIZ	8:30	0h 30min
	K. MADAN (Leiden - NETHERLANDS)	Clinical cytogenetics IV - Complex chromosome rearrangements	9:00	1h 0min
			9:30	
	E. SYK LUNDBERG (Stockholm - SWEDEN)	Genomic imprinting and diseases - Uniparental Disomy	10:00	1h 0min
			10:30	
		Break	11:00	0h 15min
	J.M. GARCIA SAGREDO (Madrid - SPAIN)	Diagnosis of predisposition to cancer. Chromosome mutagenesis.	11:15	1h 0min
			11:45	
		LUNCH	12:15	
	J.M. GARCIA SAGREDO (Madrid - SPAIN)	Chromosome instability syndromes.	14:00	1h 0min
			14:30	
	R. VANNI (Cagliari - ITALY)	Solid Tumor Cytogenetics: From chromosomal fundations to the new era of omics	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 21		Chromosome Biology		3h 30min
		QUIZ	8:30	0h 30min
	B. BED'HOM (Paris - FRANCE)	Animal cytogenetics	9:00	1h 0min
			9:30	
	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	
				43h 15min
		ONLINE examination on TUESDAY March 30th	12:00	1h 0min