

EUROPEAN DIPLOMA IN CLASSICAL AND MOLECULAR CYTOGENETICS

2024

SESSIONS - LECTURERS	TITLE	Start	DURATION
Monday, March 18	Chromosome analysis methods 1		7h 0min
J.M. DUPONT (Paris - FRANCE)	Introduction - A brief overview of cytogenetics	08:30	1h 30min
J.M. DUPONT (Paris - FRANCE)	Chromosome abnormalities	10:00	1h 0min
	Break	11:00	0h 15min
J.M. DUPONT (Paris - FRANCE)	Techniques of cell culture. Chromosome staining methods	11:15	0h 45min
J.M. DUPONT (Paris - FRANCE)	FISH	12:00	0h 30min
	LUNCH	12:30	
J. VERMEESCH (Leuven - BELGIUM)	Chromosome microarray analysis	14:00	1h 30min
	Break	15:20	0h 15min
J. VERMEESCH (Leuven - BELGIUM)	Short and long read NGS in cytogenetics	15:45	1h 0min
B DEWAELE (Leuven - BELGIUM)	Optical Genome Mapping	16:45	0h 45min
	Informal question session - Case study	17:30	
Tuesday, March 19	Chromosome analysis methods 2, Prenatal diagnosis		7h 15min
Y. FEODOROVA (Plovdiv - BULGARIA) ONLINE	3D genome in the interphase nucleus	08:30	1h 0min
Y. FEODOROVA (Plovdiv - BULGARIA) ONLINE	Structure of metaphase chromosome	09:30	0h 45min
	Break	10:15	0h 15min
J.M. DUPONT (Paris - FRANCE)	Molecular Mechanisms of chromosome abnormalities	10:30	1h 0min
J. VERMEESCH (Leuven - BELGIUM)	Genome architecture	11:30	1h 0min
	LUNCH	12:30	
J. VERMEESCH (Leuven - BELGIUM)	Databases in Cytogenetics interactive training	14:00	1h 30min
J.M. DUPONT (Paris - FRANCE)	Prenatal screening for chromosomal abnormalities	15:30	1h 0min
	Break	16:00	0h 15min
J.M. DUPONT (Paris - FRANCE)	NIPT: Non Invasive Prenatal Screening	16:15	1h 0min
	Informal question session - Case study	17:15	
Wednesday, March 20	Clinical cytogenetics 1		3h 30min
K.DEVRIENDT (Leuven - BELGIUM) ONLINE	Clinical aspects of chromosomal imbalances I	08:30	1h 30min
	Break	10:00	0h 15min
K. MILLER (Hannover - GERMANY)	Prenatal Diagnosis	10:15	1h 0min
K. MADAN (Leiden - NETHERLANDS)	Clinical Cytogenetics I: Chromosomal variants, numerical abnormalities	11:15	1h 0min
	LUNCH	12:30	
	Nimes Tour	15:00	3h 0min
Thursday, March 21	Clinical cytogenetics 2, sex chromosomes		6h 15min
K.DEVRIENDT (Leuven - BELGIUM) ONLINE	Clinical aspects of chromosomal imbalances II	08:30	1h 30min
	Break	10:00	0h 15min
K. MADAN (Leiden - NETHERLANDS)	Clinical Cytogenetics II: structural abnormalities, segregation of balanced rearrangements	10:15	1h 30min
	LUNCH	12:45	
K. MILLER (Hannover - GERMANY)	Marker and ring chromosomes	14:00	1h 0min
P. RAY (Grenoble - FRANCE)	Male Infertility	15:00	1h 0min
	Break	16:00	0h 15min
K. MADAN (Leiden - NETHERLANDS)	Clinical cytogenetics III: Sex chromosomes abnormalities, X-inactivation, Disorders of Sex Development.	16:15	1h 15min
	Informal question session - Case study	17:30	
Friday, March 22	Epigenetics - Chromosome abnormalities		6h 15min
A. LINDSTRAND (Stockholm - SWEDEN)	Genomic imprinting and disease	09:00	1h 30min
	Break	10:30	0h 15min
K. MILLER (Hannover - GERMANY)	Quality assessment	10:45	0h 45min
K. MILLER (Hannover - GERMANY)	Genetic counselling, Ethical issues	11:30	0h 45min
	LUNCH	12:15	
J. BLANCO RODRIGUEZ (Barcelona - SPAIN)	Preimplantation Genetic Testing	14:00	1h 0min
K. MILLER (Hannover - GERMANY)	ISCN 2020	15:00	0h 45min
	Break	15:45	0h 15min
K. MILLER (Hannover - GERMANY)	ISCN interactive training	16:00	1h 30min
J.M. DUPONT (Paris - FRANCE)	Informal question session - Case study	17:30	
	Course ceremony	19:00	1h 0min
Saturday, March 23	Cancer cytogenetics		6h 30min
J.M. GARCIA SAGREDO (Madrid - SPAIN)	Diagnosis of predisposition to cancer. Chromosome mutagenesis.	08:30	1h 0min
J.M. GARCIA SAGREDO (Madrid - SPAIN)	Chromosome instability syndromes.	09:30	1h 0min
	Break	10:30	0h 15min
R. VANNI (Cagliari - ITALY)	Molecular cytogenetics of solid tumours	10:45	1h 30min
	LUNCH	12:15	
H. RIEDER (Düsseldorf - GERMANY)	Molecular methods in Cancer Cytogenetics	13:45	0h 45min
M. ROCCHI (Bari - ITALY)	Human genome plasticity	14:30	1h 15min
	Break	15:45	0h 15min
T. LAVABRE-BERTRAND (Montpellier - FRANCE)	From cytogenetics to clinical applications in onco-haematology	16:00	1h 0min
	Informal question session - Case study	17:00	
Sunday, March 24	Chromosome Biology		3h 0min
B. BED'HOM (Paris - FRANCE) ONLINE	Animal cytogenetics	09:00	1h 0min
M. ROCCHI (Bari - ITALY)	Evolution of chromosomes	10:00	1h 0min
J.S. HESLOP-HARRISON (Leicester - ENGLAND)	Plant cytogenetics	11:00	1h 0min
	Informal question session - Course closure	12:00	
	LUNCH	12:30	
	TOTAL duration		39h 45min
	ONLINE examination on MONDAY April 3rd	12:00	1h 0min