Course in Hereditary Cancer Genetics

22 – 25 September 2020

University Residential Centre of Bertinoro, Italy

This course aims at delivering up-to-date knowledge on hereditary cancer to clinical and molecular geneticists in training or certified. It creates the best opportunity for interaction and discussion with experts from all over Europe, in the fabulous environment of Bertinoro, the headquarters of the ESHG sponsored courses. The faculty combines experts from many fields of cancer genetics known for their didactic skills. Participants are encouraged to present a clinical or genetic case in a Poster format for on-site discussion. Prizes will be awarded for best presentations.

Director of the course: prof. N. Hoogerbrugge (NL)

Organizing committee: prof. C. Oliveira (PT), Dr. H. Høberg-Vetti (NO), Prof. E Holinski-Feder (DE), together with J. Bazzoli (IT) and G. Romeo (IT)

20 interactive plenary lectures
12 concurrent specialized lectures
4 workshops in small groups and **2** poster discussion sessions

Teachers and lectures

Prof. Maurizio Genuardi (Italy)	The heritability of cancer / Variant Interpretation
Prof. Marjolijn Ligtenberg (The Netherlands)	The genetic mechanisms of cancer / Prostate cancer / Tumour vs Germline genetics
Prof. Rolf Sijmons (The Netherlands)	Panels, exomes and genomes / NGS and quality-control
Dr. Marc Tischkowitz (United Kingdom)	Monogenic and Polygenic risk on hereditary breast and ovarian cancer / Moderate risk genes: testing and clinical management
Prof. Thierry Frebourg (France)	Li-Fraumeni syndrome
Prof. Nicoline Hoogerbrugge (The Netherlands)	PHTS (Cowden Syndrome)
Prof. Gareth Evans (United Kingdom)	Neurocutaneous tumour syndromes / Liquid biopsy / Tumours syndromes you can see
Dr. Marjolijn Jongmans (The Netherlands)	Childhood cancer & leukaemia / Genetic counselling
Dr. Hildegunn Høberg-Vetti (Norway)	Melanoma & pancreatic cancer / Prenatal diagnosis PGD
Prof. Stefan Aretz (Germany)	Polyposis / More on the mechanisms behind cancer development
Prof. Elke Holinski-Feder (Germany)	Lynch syndrome
Prof. Carla Oliveira (Portugal)	Hereditary gastric cancer
Prof. Eamonn Maher (United Kingdom)	Renal cancer & VHL
Prof. Evelin Schröck (Germany)	Pheo/paraganglioma & MEN
Prof. Jan Lubinsky (Poland)	The importance of founder effects
Dr. Judith Balmaña (Spain)	Germline mutations as a therapeutic target
Dr. Matthias Kloor (Germany)	Chemoprevention and vaccines
Dr. Tanya Bisseling (The Netherlands)	Patient's personal experience
Dr. Svetlana Lagercrantz (Sweden)	Predictive testing / Psycho-oncology
Dr. Andreas Laner (Germany)	Basics in Exome Analysis / Variant classification

REGISTRATION FEE: €750,- including tuition, course material, lunches, coffee breaks, dinners, transportation and 3 nights of accommodation in double room.
ESHG fellowships are available: deadline for applying: **June 1st, 2020**

More information on the full program, registration forms and deadlines, fellowship applications, accommodation and venue, will be soon available at: https://www.eshg.org/courses.0.html and www.ceub.it. For information and contacts: Jessica Bazzoli: jbazzoli@ceub.it Tel: +39 0543 446500 Fax: +39 0543 446557.

3rd Course in Hereditary Cancer Genetics

Bertinoro, Italy, September 22nd – 25th 2020

Chairs: Nicoline Hoogerbrugge and Giovanni Romeo

Tuesday 22nd

Basics in cancer genetics

14:00	Welcome, introduction	Prof. Nicoline Hoogerbrugge
14:30	The heritability of cancer	Prof. Maurizio Genuardi
15:00	The genetic mechanisms of cancer	Prof. Marjolijn Ligtenberg
15:30	Panels, exomes, and genomes	Prof. Rolf Sijmons
16:00	*Coffee break*	
16:30	Concurrent workshops I	
18:00	*End of day 1*	

Wednesday 23nd

Tumour syndromes

9:00	Monogenic and Polygenic risk on hereditary breast and ovarian cancer	Dr. Marc Tischkowitz
9:40	Li-Fraumeni syndrome	Prof. Thierry Frebourg
10:10	PHTS (Cowden Syndrome)	Prof. Nicoline Hoogerbrugge
10:40	*break*	
11:10	Neurocutaneous tumour syndromes	Prof. Gareth Evans
11:40	Childhood cancer & leukaemia	Dr. Marjolijn Jongmans
12:10	Melanoma & Pancreatic cancer	Dr. Hildegunn Høberg-Vetti
12:40	Prostate cancer	Prof. Marjolijn Ligtenberg
13:00	*Lunch*	

Parallel specialized lectures

14:00	Genetic counselling	Dr. Marjolijn Jongmans
	Tumour vs. germline genetics	Prof. Marjolijn Ligtenberg
14:30	Predictive testing	Dr. Svetlana Lagercrantz
	NGS and quality control	Prof. Rolf Sijmons
15:00	Prenatal diagnosis PGD	Dr. Hildegunn Høberg-Vetti
	Basics in Exome analysis	Dr. Andreas Laner
15:30	Poster discussion	
16:00	*Break*	
16:30	Concurrent workshop II	
18:00	*End of day 2*	

Thursday 24th

Tumour syndromes

9:00	Polyposis	Prof. Stefan Aretz
9:40	Lynch syndrome	Prof. Elke Holinski-Feder
10:10	Hereditary gastric cancer	Prof. Carla Oliveira
10:40	*break*	
11:10	Renal cancer & VHL	Prof. Eamonn Maher
11:40	Pheo/paraganglioma & MEN	Prof. Evelin Schröck

Basics in cancer genetics

12:10	The importance of founder effects	Prof. Jan Lubinsky
12:40	Moderate risk genes: testing and clinical management	Dr. Marc Tischkowitz
13:00	*Lunch*	
14:00	Concurrent workshop III	
15:30	Poster discussion	
16:00	*Break*	
16:30	Concurrent workshop IV	
18:00	*End of day 3*	

Friday 25th

Parallel specialized lectures

9:00	Variant interpretation	Prof. Maurizio Genuardi
	Variant classification	Dr. Andreas Laner
9:40	Tumour syndromes you can see	Prof. Gareth Evans
	More on the mechanism behind cancer development	Prof. Stefan Aretz
10:10	Psycho-oncology	Dr. Svetlana Lagercrantz
	Liquid biopsy	Prof. Gareth Evans
10:40	*break*	

Basics in cancer genetics

11:10	Germline mutations as a therapeutic target	Dr. Judith Balmaña
11:40	Chemoprevention and vaccines	Dr. Matthias Kloor
12:10	Patient's personal experience	Dr. Tanya Bisseling
12:40	Best poster, wrapping up	
13:00	*Lunch and adjourn*	
14:00	*End of day 4*	

Topics covered in the workshops

• Ultrarare cases in hereditary cancer	Prof. Thierry Frebourg & Prof. Maurizio Genuardi
• Guidelines	Prof. Elke Holinski-Feder & Prof. Gareth Evans
• Panel testing	Prof. Rolf Sijmons & Dr. Marc Tischkowitz
• Patients Journeys	Dr. Hildegunn Høberg-Vetti & Dr. Svetlana Lagercrantz