



**European
Reference
Network**

for rare or low prevalence
complex diseases

 **Network**
Genetic Tumour Risk
Syndromes (ERN GENTURIS)

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
- 14:30 The heritability of cancer
- 15:00 The genetic mechanisms of cancer
- 15:30 Panels, exomes, and genomes
- 16:00 *Coffee break*
- 16:30 Concurrent workshops I
- 18:00 *End of day 1*

Prof. Nicoline Hoogerbrugge
Prof. Maurizio Genuardi
Prof. Marjolijn Ligtenberg
Prof. Rolf Sijmons

Wednesday 23rd

Tumour syndromes

- 9:00 Monogenic and Polygenic risk on hereditary breast and ovarian cancer
- 9:40 Li-Fraumeni syndrome
- 10:10 PHTS (Cowden Syndrome)
- 10:40 *break*
- 11:10 Neurocutaneous tumour syndromes
- 11:40 Childhood cancer & leukaemia
- 12:10 Melanoma & Pancreatic cancer
- 12:40 Prostate cancer
- 13:00 *Lunch*

Dr. Marc Tischkowitz
Prof. Thierry Frebourg
Prof. Nicoline Hoogerbrugge

Prof. Gareth Evans
Dr. Marjolijn Jongmans
Dr. Hildegunn Høberg-Vetti
Prof. Marjolijn Ligtenberg

Parallel specialized lectures

- 14:00 Genetic counselling
Tumour vs. germline genetics
- 14:30 Predictive testing
NGS and quality control
- 15:00 Prenatal diagnosis PGD
Basics in Exome analysis
- 15:30 Poster discussion
- 16:00 *Break*
- 16:30 Concurrent workshop II
- 18:00 *End of day 2*

Dr. Marjolijn Jongmans
Prof. Marjolijn Ligtenberg
Dr. Svetlana Lagercrantz
Prof. Rolf Sijmons
Dr. Hildegunn Høberg-Vetti
Dr. Andreas Laner

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	<i>break</i>	
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	<i>Lunch</i>	
14:00	Concurrent workshop III	
15:30	Poster discussion	
16:00	<i>Break</i>	
16:30	Concurrent workshop IV	
18:00	<i>End of day 3</i>	

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	<i>break</i>	

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	<i>Lunch and adjourn</i>	
14:00	<i>End of day 4</i>	

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