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)

### Teachers and lectures

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<td>The heritability of cancer / Variant Interpretation</td>
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<td>Prof. Marjolijn Ligtenberg (The Netherlands)</td>
<td>The genetic mechanisms of cancer / Prostate cancer / Tumour vs Germline genetics</td>
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<td>Panels, exomes and genomes / NGS and quality-control</td>
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<td>Monogenic and Polygenic risk on hereditary breast and ovarian cancer / Moderate risk genes: testing and clinical management</td>
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<td>Childhood cancer &amp; leukaemia / Genetic counselling</td>
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<td>Melanoma &amp; pancreatic cancer / Prenatal diagnosis PGD</td>
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<td>Prof. Stefan Aretz (Germany)</td>
<td>Polyposis / More on the mechanisms behind cancer development</td>
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<td>Prof. Elke Holinski-Feder (Germany)</td>
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<td>Prof. Carla Oliveira (Portugal)</td>
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<td>Prof. Eamonn Maher (United Kingdom)</td>
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<td>Dr. Judith Balmaña (Spain)</td>
<td>Germline mutations as a therapeutic target</td>
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<td>Dr. Matthias Kloor (Germany)</td>
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<td>Dr. Tanya Bisseling (The Netherlands)</td>
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<td>Dr. Svetlana Lagercrantz (Sweden)</td>
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<td>Dr. Andreas Laner (Germany)</td>
<td>Basics in Exome Analysis / Variant classification</td>
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**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](https://www.eshg.org/courses.0.html) and [www.ceub.it](http://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 23rd

**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  
Tumour vs. germline genetics  
Dr. Marjolijn Jongmans

14:30 Predictive testing  
NGS and quality control  
Prof. Marjolijn Ligtenberg

15:00 Prenatal diagnosis PGD  
Basics in Exome analysis  
Dr. Svetlana Lagercrantz

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
9:40 Tumour syndromes you can see  Dr. Andreas Laner
10:10 Psycho-oncology  Prof. Gareth Evans
10:40 Liquid biopsy  Dr. Svetlana Lagercrantz
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