



Spring Course in Hereditary Cancer Genetics



10th – 13th of April 2016
University Residential Centre of Bertinoro, Italy

This course aims at delivering up-to-date knowledge on hereditary cancers 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: N Hoogerbrugge (The Netherlands) and D Turchetti (Italy)

Organizing Committee: C Oliveira (Portugal), H Høberg-Vetti (Norway), S Bajalica Lagercrantz (Sweden), G Evans (United Kingdom), E Holinski-Feder (Germany), S Hodgson (United Kingdom), R Sijmons (The Netherlands), U Kristoffersson (Sweden), M Morak (Germany), M Ligtenberg (The Netherlands), together with M Schiavi (Italy), R Partisani (Italy) J Bazzoli (Italy) and G Romeo (Italy)

PROGRAM

DAY 1 program: Sunday, 10th April

13:00 – 13:15 Welcoming remarks and Introduction [Nicoline Hoogerbrugge](#)

13:15 – 13:30 Quiz: test your pre-course knowledge [Rolf Sijmons](#)

THEME: BASICS IN CANCER GENETICS

13:30 – 14:00 The heritability of cancer [Maurizio Genuardi](#)

14:00 – 14:30 NGS in germline and somatic analysis [Marjolijn Ligtenberg](#)

14:30 – 15:00 Mutation mechanisms in genes and their detection [Monika Morak](#)

15:00 – 15:30 Moving from single gene tests to multigene panels (clinical) [Rolf Sijmons](#)

15:30 – 16:30 **COFFEE BREAK**

16:30 – 18:00 Concurrent Workshop I

DAY 2 program: 11th April

THEME: BREAST/OVARIAN CANCER SUSCEPTIBILITY & RARE HEREDITARY CANCER SYNDROMES

- 9:00 – 9:40 Hereditary Breast and Ovarian cancer Jan Lubinski
- 9:40 – 10:20 Li-Fraumeni syndrome and other non BRCA genes Thierry Frebourg
- 10:20 – 10:50 **COFFEE BREAK**
- 10:50 – 11:30 Risk assessment and Clinical presymptomatic management Ulf Kristoffersson
- 11:30 – 13:00 Concurrent Workshop II
- 13:00 – 14:00 **LUNCH**
- 14:00 – 14:30 Hereditary Diffuse Gastric Cancer Carla Oliveira
- 14:30 – 15:00 PTEN and Peutz-Jeghers Syndrome Shirley Hodgson
- 15:00 – 15:30 Endocrine cancer Syndromes, VHL & Renal cancer Eamon Maher
- 15:30 – 16:00 Poster Discussion
- 16:00 – 16:30 **COFFEE BREAK**
- 16:30 – 18:00 Concurrent Workshop III

DAY 3 program: 12th April

THEME: SUSCEPTIBILITY TO COLORECTAL CANCER & OTHER CANCER-ASSOCIATED SYNDROMES

- 9:00 – 9:40 Lynch Syndrome Elke Holinski-Feder
- 9:40 – 10:20 Polyposis & Other colon diseases Nicoline Hoogerbrugge
- 10:20 – 10:50 **COFFEE BREAK**
- 10:50 – 11:30 Neurocutaneous tumor Syndromes Gareth Evans
- 11:30 – 13:00 Concurrent Workshop IV
- 13:00 – 14:00 **LUNCH**
- 14:00 – 14:30 Panels, phenotypes and the challenge of identifying very rare cancer predisposition syndromes Marc Tischkowitz
- 14:30 – 15:00 Familial melanoma & Familial pancreatic cancer Hildegunn Høberg-Vetti
- 15:00 – 15:30 Chromosome breakage syndromes Marc Tischkowitz
- 15:30 – 16:00 Poster Discussion
- 16:00 – 16:30 **COFFEE BREAK**
- 16:30 – 18:00 Concurrent Workshop V

DAY 4 program: 13th April

THEME: PREVENTION AND TREATMENT

9:00 – 9:40	Chemoprevention for FAP and LS John Burn
9:40 – 10:20	Germline mutations as a therapeutic target in cancer: the case of PARP inhibitors Judith Balmaña
10:20 – 10:50	COFFEE BREAK
10:50 – 11:30	The impact of prophylactic surgery Svetlana Bajalica Lagercrantz
11:30 – 11:50	Best Poster presentation Chair: Nicoline Hoogerbrugge
11:50 – 12:10	Post-course Quiz Rolf Sijmons
12:10 – 12:30	Wrapping Up Nicoline Hoogerbrugge
12:30 – 14:00	LUNCH and ADJOURN

Details on CONCURRENT WORKSHOPS

CONCURRENT WORKSHOP Themes	WORKSHOP Speakers/Chairs
Pedigree interpretation and differential diagnosis	Rolf Sijmons Thierry Frebourg Daniela Turchetti
DNA-diagnostics interpretation (including VUS)	Marjolijn Ligtenberg Monika Morak
Psychosocial and Ethical issues	Hildegunn Høberg-Vetti Svetlana Lagercrantz Shirley Hodgson
Clinical utility and genetic counselling of multigene panel testing	Gareth Evans Elke Holinski-Feder
Presentation by attendees of unknown cases	Nicoline Hoogerbrugge Maurizio Genuardi Ulf Kristoffersson