

The EUROPEAN SCHOOL OF GENETIC MEDICINE
with the UNIVERSITY RESIDENTIAL CENTER OF BERTINORO
and the EUROPEAN SOCIETY OF HUMAN GENETICS
organize
the 28th COURSE IN MEDICAL GENETICS
Bertinoro (Italy), May 17-21, 2015

Abstract: Medical Genetics is a postgraduate level course addressed to both researchers and clinicians seeking an up-to-date overview of the field of medical genetics today. Morning sessions will provide an overall view of the clinical developments which are taking place in the major application fields of modern genetics in different medical specialties while afternoon concurrent workshops will consist in groups of students with one or more faculty and up to 15 students discussing specific research topics and research projects.

Venue: The University Residential Centre of Bertinoro (www.ceub.it) is located on one of the hilltops of the Romagna area, between the cities of Forlì and Cesena.

Fees: The Registration fee (€ 565,00) includes tuition, course material, lunches, coffee breaks, dinners and transportation from Bologna airport to Bertinoro on May 16th and back on May 21st

Accommodation: You'll be lodge at the Course Venue or in case of overbooking in hotels nearby the Centre. The rate for a double room occupancy (to be share with another participant) is € 35,00/per night, including breakfast.

For info please write to: rpartisani@ceub.it.

Fellowships:

The European Society of Human Genetics offers fellowships covering both registration fee and accommodation. Applicants for fellowships should submit their request together with CV and a reference letter to rpartisani@ceub.it.

Deadline for sending application: April 1st, 2015 at 18.00 (Bruxelles Time). You'll receive a notification of acceptance (or non acceptance) by mail within April, 10th.

Poster submission:

Deadline for sending Abstracts for posters: at April 19th, 2015 18.00 (Bruxelles Time). Please send your abstract to rpartisani@ceub.it

All participants are encouraged to present a poster. All the abstract will be accepted.

COURSE PROGRAMME:

Directors:

H.G. Brunner (Nijmegen and Maastricht, the Netherlands)

G. Romeo (Bologna, Italy)

B. Wirth (Cologne, Germany)

Faculty:

H.G. Brunner (Nijmegen and Maastricht, the Netherlands)

J. Burn (Newcastle, UK)

P. Chinnery (Newcastle, UK)

D. Donnai (Manchester, UK)

C. Gilissen (Nijmegen, the Netherlands)

R. Green (Boston, USA)

E. Klopocki (Berlin, Germany)

B. Loeys (Antwerp, Belgium)

E. Davis (Durham, USA)

A. Read (Manchester, UK)

G. Romeo (Bologna, Italy)

K. Temple (Southampton, UK)

J. Veltman (Nijmegen, the Netherlands)

D. Wells (Oxford, UK)

B. Wirth (Cologne, Germany)

B. Wollnik (Cologne, Germany)

Arrival: Saturday May 16

Sunday, May 17

Morning Session: Introduction to Human Genome Analysis

9.00 – 9.15	Registration to the course
9.15 – 9.30	Introduction to the course G. Romeo
9.30 – 10.15	Medical Genetics Today D. Donnai
10.15 – 11.00	Genotypes & phenotypes H. Brunner
11.00 – 11.30	Coffee Break
11.30 – 12.15	NGS J. Veltman
12.15 – 13.00	How to deal with next generation sequencing output. C. Gilissen
13.10 – 14.00	Lunch Break

Afternoon Session:

14.00 – 14.30	Poster Viewing Session
14.30 – 16.00	Concurrent Workshops
16.00-16.30	Coffee Break
16.30 – 18.00	Concurrent Workshops

Monday, May 18

Morning Session: Approaches to Clinical and Molecular Genetics

- 9.00 – 9.50 Complex disorders
A. Read
- 9.50- 10.40 Arrays and CNVs
E. Klopocki
- 10.40 – 11.10 Coffee Break
- 11.10 – 12.00 Molecular syndromology in the NGS-era: which phenotype, which family,
which strategy? Applications to aging research
B. Wollnik
- 12.00 – 12.50 Mitochondrial disease
P. Chinnery
- 13.10 – 14.00 **Lunch Break**

Afternoon Session:

- 14.00 –14.30 Poster Viewing Session
- 14.30 – 16.00 Concurrent Workshops – including Ethics by Andrew Read
- 16.00-16.30 **Coffee Break**
- 16.30 – 18.00 Concurrent Workshops

Tuesday, May 19

Morning Session: Gene regulation and complex genetic disorders

- 9.00 - 9.50 Long range effects
E. Klopocki
- 9.50 – 10.40 Epigenetics and disease
K. Temple

- 10.40 – 11.10 **Coffee Break**
- 11.10 – 12.00 Alzheimer's disease
Robert Green
- 12.00 – 12.50 Behavioral genetics
H. Brunner
- 13:10 – 14.00 **Lunch Break**

Afternoon Session:

- 14.00 –14.30 Poster Viewing Session
- 14.30 – 16.00 Concurrent Workshops
- 16.00-16.30 Coffee Break
- 16.30 – 18.00 Concurrent Workshops

Wednesday, May 20

Morning Session: Using Protein Networks and Gene Modifiers to Develop Therapies

- 9.00 – 9:50 Inherited cancer and prospects for therapy
J. Burn
- 9.50 – 10.40 SMA: From gene and modifiers to therapy
B. Wirth
- 10.40 – 11.10 Coffee Break
- 11.10- 12.00 Marfan syndromes, related diseases and therapy
B. Loeys
- 12.00-12.50 Oligogenic Disease
E. Davis
- 13:10 - 14.00 **Lunch Break**

Afternoon Session:

14.00 –14.30	Poster Viewing Session
14.30 – 16.00	Concurrent Workshops
16.00 – 16.30	Coffee Break
16.30 – 18.00	Concurrent Workshops

Thursday, May 21

Morning Session: The returns of Genomic Medicine

9.00 – 9.45	Best Posters presentations by students
9.45 – 10.45	What patients need to know about their genome: beliefs and empirical evidence R. Green
10.45 – 11.15	Coffee Break
11.15 – 12.15	PGD and PGS: is this the future? D. Wells (with discussant L. Gianaroli)
12:15 - 12:30	Wrapping up
12:30	Hand in evaluations; hand out certificates
12:45	Lunch

Departure