

ESGM
EUROPEAN SCHOOL OF GENETIC MEDICINE
25th COURSE IN MEDICAL GENETICS
EuroMediterranean University Centre of Ronzano
Bologna (Italy), May 20-25, 2012

Arrival day: Saturday May 19

Sunday, May 20

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 – 10.10	Medical Genetics Today D. Donnai
10.10 – 10.50	Genotypes & phenotypes H. Brunner
10.50 – 11.20	Coffee Break
11.20 – 12.00	Arrays & CNVs J. Vermeesch
12.00 – 12.40	Genome sequencing J. Veltman
12.40 – 14.00	Lunch Break and tour of the Hermitage of Ronzano
14.00 – 14.30	Poster Viewing Session

Afternoon Session:

14.30 – 16.00	Concurrent Workshops
16.00-16.30	Coffee Break
16.30 – 18.00	Concurrent Workshops

Monday, May 21

Morning Session: Approaches to Clinical and Molecular Genetics

9.00 – 9.50	Genetic counseling D. Donnai
9.50 – 10.40	Linkage and association in a conceptual and historic perspective A. Read
10.40 – 11.10	Coffee Break
11.10- 12.00	Molecular syndromology in the NGS-era: which phenotype, which family, which strategy? B. Wollnick
12.00 – 12.50	NGS and identification of genes responsible for I.D. J. Veltman
12.50 – 14.00	Lunch Break
14.00-14.30	Poster Viewing Session

Afternoon Session:

14.30 – 16.00	Concurrent Workshops
16.00-16.30	Coffee Break
16.30 – 18.00	Concurrent Workshops (among these: Human Evolution and the 1000 Genomes Project E. Colonna)

Tuesday, May 22

Morning Session: From monogenic to complex genetic disorders

9.00 – 9.50	B. Loeys t.b.d
9.50 – 10.40	Aging phenotypes B. Wollnik
10.40 – 11.10	Coffee Break
11.10 – 12.00	Oligogenic inheritance N. Katsanis

12.10 – 13.00 Non-coding genomic alterations in disease.
S. Lyonnet

13:00 – 14.00 **Lunch Break**

14.00 – 14.30 **Poster Viewing Session**

Afternoon Session:

14.30 – 16.00 Concurrent Workshops

16.00-16.30 Coffee Break

16.30 – 18.00 Concurrent Workshops

Wednesday, May 23

Morning Session: New approaches for identification of I.D. genes and therapy

9.00 – 9.50 Gene identification for Intellectual Deficiencies (I.D.)
H. Brunner

9.50 – 10.40 X linked genes for I.D.
J. Gecz

10.40 – 11.10 Coffee Break

11.10 – 12.00 Gene therapy
M. Capecchi

12.00 – 12.50 SMA: From gene and modifiers to therapy
B. Wirth

12.50 – 13:10 **Short presentation of the results of the CHERISH EU project**

13:10 - 14.00 **Lunch Break**

14.00 – 14.30 **Poster Viewing Session**

Afternoon Session:

14.30 – 16.00 Concurrent Workshops

16.00-16.30 Coffee Break

16.30 – 18.00 Concurrent Workshops

Thursday, May 24

Morning Session: Perspectives in Medical Genetics

9.00-9.50	Best Posters Presentations by students
9.50 – 10.40	Ethics A. Read
10.40-11.00	Coffee Break
11.00 – 11.50	Discussion led by A. Read (together with Prof. Lap-Chee Tsui - Vice Chancellor of HKU): How will genome sequencing change medical genetics?
11.50	Wrapping up of the course
12.00	Lunch

Thursday, May 24

Public Awareness of Genetics with the participation of Mario Capecchi (Nobel Laureate 2007)

12:30 h.

Sala del Consiglio (Palazzo d'Accursio – City Hall of Bologna)

The Mayor presents a special award of the City of Bologna to Mario Capecchi

15:30 h.

Stabat Mater Hall of the Archiginnasio (historical venue the University of Bologna)

“Genetics today, meeting with the Nobel Laureate Mario Capecchi”

“Research and the European challenges for the identification of genes causing intellectual disabilities”

Programme

- 1) Welcome by the President of the University, the Mayor and officers of the European Union for the CHERISH project
- 2) CHERISH, the European project to identify genes causing intellectual disabilities
- 3) Presentation by Emanuele Panza (the cultural heritage of the young Italian investigator in the footsteps of his mentor, Mario Capecchi)
- 4) Presentation by Mario Capecchi (the Nobel laureate, the man, the scientist)
- 5) Bologna- Portland (Oregon), teleconference to celebrate the twinning of the two cities
- 6) Conclusions (Giovanni Romeo, Bologna and Bill Horton, Portland): Mario Capecchi and the legacy of two great mentors of the past, Giuseppe Levi (1872 – 1965) and Victor A. McKusick (1921 – 2008)

Friday, May 25

Excursion to the 5 Terre of the ESGM Alumni and Faculty

Saturday morning, May 26

Meeting with the young researchers in genetics/genomic with High Schools students from Bologna and the Emilia-Romagna region