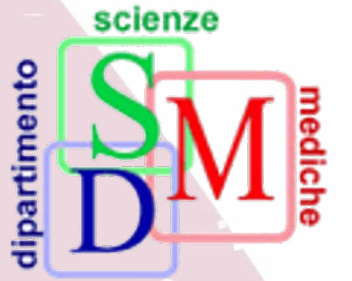


The Future of Genetics in Medicine and beyond

UNDER THE AUSPICES OF:



Organized by
Department of Medical Sciences
Transplant Genetics
University of Turin

President of the Meeting
Antonio Amoroso
Department of Medical Sciences
Transplant Genetics
University of Turin

Scientific Board Coordinator
Fulvia Pedani

TURIN (Italy)

June 22nd - 23rd, 2017
Palazzo Carignano, Piazza Carlo Alberto

PROMOTED BY



FONDAZIONE
INTERNAZIONALE
MENARINI

PROGRAMME

12.00 p.m. Registration and Welcome cocktail
02.00 p.m. Meeting presentation
Antonio Amoroso (Turin, IT)
02.30 p.m. Opening Lecture:
The future of genetic medicine: medical and ethical considerations
Stylianos E. Antonarakis (Geneve, CH)

Session 1: The Genomic Era
Chairpersons: **Maurizio Genuardi** (Rome, IT), **Sandra D'Alfonso** (Novara, IT)

03.30 p.m. Genomic Medicine
Orsetta Zuffardi (Pavia, IT)
04.00 p.m. Personalised Medicine
Paolo Gasparini (Trieste, IT)
04.30 p.m. Epigenetics and Epigenomics
Salvatore Oliviero (Turin, IT)
05.00 p.m. The new world of RNAs
Stefano Gustincich (Genoa, IT)
05.30 p.m. Coffee Break

Session 2: Genomic approaches to the diagnosis of diseases
Chairpersons: **Alfredo Brusco** (Turin, IT), **Giovanni Battista Ferrero** (Turin, IT)

06.00 p.m. New frontiers for the diagnosis of genetic diseases
Marco Tartaglia (Rome, IT)
06.30 p.m. How genomic approaches will change the diagnosis of tumours
Giorgio Scagliotti (Turin, IT)
07.00 p.m. Genomic analyses for susceptibility to complex diseases
Francesco Cucca (Sassari, IT)
07.30 p.m. Will we have all the information of our genome
on our health card?
Edoardo Boncinelli (Milan, IT)
08.00 p.m. Concluding remarks

Session 3: How genomics will change the prevention of diseases
Chairpersons: **Barbara Pasini** (Turin, IT), **Antonio Amoroso** (Turin, IT)

08.30 a.m. NIPT: Non invasive prenatal testing
on fetal DNA circulating in maternal blood
Joris Vermeesch (Leuven, BE)
09.00 a.m. Fast-track WES:
Can it change prenatal and neonatal care?
Gijs Santen (Leiden, NL)
09.30 a.m. Genomics screening for genetic diseases
Lynn B. Jorde (Salt Lake City, USA)
10.00 a.m. Genomic and epigenomic variability
in complex diseases
Giuseppe Matullo (Turin, IT)
10.30 a.m. Coffee Break

Session 4: New scenarios of genomic medicine

Chairpersons: **Franco Veglio** (Turin, IT), **Roberto Ravazzolo** (Genoa, IT)

11.00 a.m. Personalised cancer therapy
Vincenzo Corbo (Verona, IT)
11.30 a.m. How the genomics era will change the diagnosis
and treatment of the neurological diseases
Christian Gilissen (Nijmegen, NL)
12.00 p.m. How the genomics era will change the diagnosis
and treatment of heart diseases
Mauro Giacca (Trieste, IT)
12.30 p.m. How the genomics era will change the diagnosis
and treatment of kidney diseases
Ali Gharavi (New York, USA)
01.00 p.m. Lunch

Session 5: Genomics in Therapy

Chairpersons: **Fulvia Pedani** (Turin, IT), **Mauro Giulio Papotti** (Turin, IT)

02.00 p.m. Medical application of gene therapy:
the example of the diseases of the eye
Alberto Auricchio (Naples, IT)
02.30 p.m. Introduction to Pharmacogenomics
Giuseppe Novelli (Rome, IT)
03.00 p.m. The search for new molecules
for the treatment of genetic diseases
Luis Galletta (Naples, IT)
03.30 p.m. How neurogenomics will drive new therapeutic approaches
Laura Cancedda (Genoa, IT)
04.00 p.m. Coffee Break

Session 6: Genome editing and gene therapy

Chairman: **Mauro Giacca** (Trieste, IT), **Guido Forni** (Turin, IT)

04.30 p.m. Genome Editing for human diseases
Angelo Lombardo (Milan, IT)
05.00 p.m. What will synthetic biology and genome editing
really mean for generations to come?
Mario Capecchi (Salt Lake City, USA)
05.30 p.m. Ethical and philosophical issues
on genome modification in humans
Giovanni Boniolo (Ferrara, IT)
06.00 p.m. Concluding remarks

ORGANIZING SECRETARIAT
AND PROVIDER



CONTATTO & ARCHIMEDITA

Italian CME Accreditation
10,5 CME Credits.

European CME Accreditation
The event has been accredited by the EACCME for TBC European CME Credits.

Registrations
Registration is free of charge.
Please confirm your participation to the Organizing Secretariat:
Contatto S.r.l.
Phone: +39 011 715210 / 712393 - Fax: +39 011 726115
E-mail: info@contatto.tv within June 21st, 2017.