

Scientific and Organizing Committee

Prof. J. Gordon McVie - IEO, European Institute of Oncology
Milan, Italy - gordon.mcvie@ieo.it

IEO – European Institute of Oncology

The **European Institute of Oncology** was established to implement an innovative model for health and advanced research in the international oncology field. Conceived by **Umberto Veronesi** and inaugurated in May 1994, the Institute became a **research hospital and treatment centre (IRCCS** or “Istituto di Ricovero e Cura a Carattere Scientifico”) through the Ministerial Decree issued in January 1996. The European Institute of Oncology adopts the **non-profit** private-law organisation model and provides services through agreements with Italy’s **National Health Service**.

In keeping with the standards of the most advanced international oncology centres, the Institute fully integrates different activities involved in the fight against cancer: prevention and diagnosis, health education and training, research and treatment. For further details please visit www.ieo.it

IFOM-IEO CAMPUS

The IFOM-IEO Campus is a new biomedical research centre, created by the joint efforts of the **FIRC Institute of Molecular Oncology Foundation (IFOM)** and the Department of Experimental Oncology of the **European Institute of Oncology (IEO)**, which have expanded and integrated their research activities on a common campus.

The IFOM-IEO Campus is located in Milan, the heart of the commercial/industrial north of Italy, where it benefits from numerous interactions with other scientific and medical organizations in the area. The Campus is also home to the Ph.D programs of the European School of Molecular Medicine (SEMM), which it is running in collaboration with the University of Milan, the University of Naples "Federico II" and the Italian Institute of Technology (IIT) in Genoa. For further details please visit www.ifom-ieo-campus.it

SEMM FOUNDATION

SEMM (European School of Molecular Medicine) is a private foundation for higher education in biomedicine that is promoted by three Government Ministries: the Ministry of Health, the one of University and Research, and the Treasury. The school has two sites (Milan and Naples) and the training activities are held at biomedical centers of excellence: **IFOM-IEO campus in Milan**, **CEINGE** and **TIGEM in Naples**.

SEMM promotes training and research within emerging sectors of biomedicine, such as genomics, molecular medicine, nanotechnologies and bioethics. SEMM operates within centres of excellence and promotes the integration of basic research and clinical practice. SEMM collaborates with Italian Universities to create its training programmes. For further details please visit www.semm.it

Event Coordinator

Sabrina Frata
SEMM Foundation
Milan, Italy
sabrina.frata@semm.it

Organizing Secretariat

CQ TRAVEL Srl
Via Pagliano, 3
Milan, Italy
congress@cq-travel.com



With unrestricted educational grant of GSK Oncology

Advanced Breast Cancer Research Course

May 18-22, 2009

Topics

Stem Cells
Hurdles in Drug Development
Kinases, Targeted Molecules
FISH for HER2neu
Angiogenesis
Imaging Tumour Vasculature
Circulating Endothelial Cells
Circulating Tumor Cells
Hormone Receptors

Opening Lecture

Umberto Veronesi

Closing Lecture

Aaron Goldhirsch

Course venues

European Institute of Oncology (IEO) and
IFOM-IEO Campus, Milan, Italy

Faculty

Francesco Bertolini
Giuseppe Curigliano
Silvia Marsoni
Gordon McVie
Saverio Minucci
Andrea Musacchio
Franco Nole'
Ines Martin-Padura
Salvatore Pece
Giuliana Pelicci
Pier Giuseppe Pelicci
Giuseppe Petralia
Giancarlo Pruneri
Maria Teresa Sandri
Giuseppe Testa
Giuseppe Viale



Monday May 18, 2009

IFOM-IEO Campus

h. 09.00-09.30 **Welcome Address**
“Breast Cancer: Past, Present, Future”
Prof. Umberto Veronesi, Milan

Hormone receptors (Dr. Saverio Minucci)

h. 09.30-12.00 **Practical lab course**
“Epigenetic Therapy Approaches”
Dr. Saverio Minucci, Milan

h. 12.00-13.00 **Plenary lecture**
“Targeting Hormone Receptors”
Prof. J. Gordon McVie, Milan

h. 14.00-17.00 **Practical lab course**
“Epigenetic Therapy Approaches”
Dr. Saverio Minucci, Milan

h. 17.00-18.00 **Plenary lecture**
“Lessons in Drug Development”
Dr. Silvia Marsoni, Milan

Tuesday May 19, 2009

IFOM-IEO Campus

Stem cells (Dr. Giuliana Pelicci and Dr. Giuseppe Testa)

h. 09.00-12.00 **“Embryonic and Neural Stem Cells: Concepts and Applications”**
Dr. Giuseppe Testa, Milan

h. 12.00-13.00 **Plenary lecture**
“Normal Mammary Stem Cells and their Relevance to Breast Cancer”
Dr. Salvatore Pece, Milan

h. 14.00-17.00 **Practical lab course**
Dr. Giuliana Pelicci, Milan

Cell division – part I (Dr. Andrea Musacchio)

h. 17.00-18.30 **Plenary lecture**
“The Molecular Bases of Cell Division”
Andrea Musacchio, Milan

Wednesday May 20, 2009

IFOM-IEO Campus

Cell division – part II (Dr. Andrea Musacchio)

h. 09.00-10.30 **Plenary lecture**
“Inhibiting Cell Division”
Andrea Musacchio, Milan

CME and ECM Credits
on request

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Kinases (Prof. Giuseppe Viale)

h. 13.00-16.00 **Practical lab course**
“FISH and Immuno Techniques in the Path Lab”
Prof. Giuseppe Viale, Milan

h. 16.00-17.00 **Plenary lecture**
“Biomarkers in Breast Cancer”
Dr. Giancarlo Pruneri, Milan

Thursday May 21, 2009

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Angiogenesis (Dr. Francesco Bertolini and Dr. Giuseppe Petralia)

h. 09.00-12.00 **Practical lab course**
module A “Endothelial Cell Culture and Evaluation by Flow Cytometry”
Dr. Ines Martin-Padura, Milan
module B “Imaging of Angiogenesis”
Dr. Giuseppe Petralia, Milan

h. 12.00-13.00 **Plenary lecture**
“Circulating Endothelial Cells”
Dr. Francesco Bertolini, Milan

h. 14.00-17.00 **Practical lab courses**
module A “Imaging of Angiogenesis”
Dr. Giuseppe Petralia, Milan
module B “Endothelial Cell Culture and Evaluation by Flow Cytometry”
Dr. Ines Martin-Padura, Milan

h. 17.00-18.00 **Plenary lecture**
“Prediction of Antiangiogenesis in the Clinic”
Dr. Giuseppe Curigliano, Milan

Stem cells (Prof. Pier Giuseppe Pelicci)

h. 18.00-19.00 **Plenary lecture**
“Breast Cancer Stem Cells”
Prof. Pier Giuseppe Pelicci, Milan

Friday May 22, 2009

IEO

Circulating tumor cells (Dr. Maria Teresa Sandri and Dr. Franco Nole’)

h. 09.00-10.00 **“Different methods for CTC detection”**
Dr. Maria Teresa Sandri, Milan
Practical lab course

h. 10.00-12.00 **“CTC analysis”**
Maria Teresa Sandri, Milan
Plenary lecture:

h. 12.00-12.30 **“Future applications of CTC research”**
Dr. Franco Nole’, Milan

h. 12.30-13.00 **Closing address**
“Care for Women with Breast Cancer - 2009”
Prof. Aaron Goldhirsch, Milan