

The Skin: from Melanocyte to Melanoma.

Theoretical and Practical Course.

23rd/24th March 2007

EUROPEAN INSTITUTE OF ONCOLOGY (EIO) &
IFOM-IEO CAMPUS, MILAN, ITALY

Speakers

Alberto Auricchio
Naples, Italy

Roberta Carbone
Milan, Italy

Colin Goding
Oxford, UK

Keith Hoek
Zürich, Switzerland

Soverin Karmiol
Carlsbad, USA

Lionel Larue
Paris, France

Monica Rodolfo
Milan, Italy

Maria Vittoria Schiaffino
Milan, Italy

Antonio Simeone
Naples, Italy

Eirikur Steingrimsson
Reykjavik, Iceland

Enrico Surace
Naples, Italy

Carlo Tacchetti
Genoa, Italy

Alessandro Testori
Milan, Italy

Bernard Wehrle-Haller
Genève, Switzerland

Topics

**MELANOMA
DEVELOPMENT AND
PROGRESSION: IN VIVO
MODELS, BIOLOGY AND
TREATMENT**

**MELANOCYTES AND
MELANOMA CELLS:
CULTURE CONDITIONS
AND MANIPULATION**

Practical Demonstrations

Giuseppina Giardina
Milan, Italy

Giovanni Mazzarol
Milan, Italy

Paolo Nuciforo
Milan, Italy



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23rd March 2007

h. 8.00/8.45 - Registration

Friday morning session at EIO: "Melanocytes and Melanoma" (h. 8.45/13.05)

h. 8.45/9.15

Welcome and opening remarks

Luisa Lanfrancone, IFOM-IEO-Campus, Milan, Italy

h. 9.15/9.55 - LECTURE:

Structure of the skin and its adnexa: ultrastructural characteristics and correlative analysis of melanosomes during biogenesis

Carlo Tacchetti, IFOM/DiMeS, Genoa, Italy

h. 9.55/10.35 - LECTURE:

Genetics and biology of pigmentation: the odd story of ocular albinism type 1

Maria Vittoria Schiaffino, HSR, Milan, Italy

h. 10.35/11.15 - LECTURE:

Update: current treatment issues in melanoma

Alessandro Testori, EIO, Milan, Italy

h. 11.15/11.35 - Coffee break

h. 11.35/13.05 - INTRODUCTORY LECTURE & PRACTICAL DEMONSTRATION:

Analysis of skin sections under the microscope: identification of its various cell types under normal and pathological conditions

Giovanni Mazzarol, EIO, Milan, Italy

h. 13.05/14.00 - Lunch

Friday afternoon session at EIO: "Engineering the skin: in vitro cultures of melanocytic cells" (h. 14.00/18.50)

h. 14.00/14.40 - LECTURE:

Biology of melanoma progression

Monica Rodolfo, INT, Milan, Italy

h. 14.40/15.20 - LECTURE:

The use of nanostructured TiO₂ film to mediate efficient and safe retroviral gene transduction in primary adult human melanocytes

Roberta Carbone, Tethis, Milan, Italy

h. 15.20/16.00 - LECTURE:

Nutritional requirements of Mammalian Cells in Culture: Design and Optimization of the Cell Culture Medium

Soverin Karmiol, Invitrogen, Carlsbad, USA

h. 16.00/16.20 - Coffee break

h. 16.20/17.50 - INTRODUCTORY LECTURE & PRACTICAL DEMONSTRATION:

Purification and expansion of primary human melanocytes and of melanocytic tumor derived cells

Giuseppina Giardina, IFOM-IEO CAMPUS, Milan, Italy

h. 17.50/18.50 - ROUND TABLE DISCUSSION

Night together

24th March 2007

Saturday morning session at IFOM-IEO Campus: "Novel technologies" (h. 9.00/12.50)

h. 9.00/9.40 - LECTURE:

Gene expression profiling using gene arrays

Keith Hoek, University Hospital of Zürich, Zürich, Switzerland

h. 9.40/10.20 - LECTURE:

Novel technologies for melanocyte analysis

Eirikur Steingrímsson, University of Iceland, Reykjavik, Iceland

h. 10.20/10.40 - LECTURE:

Characterization of visual function in albino rodents

Enrico Surace, TIGEM, Naples, Italy

h. 10.40/11.00 - LECTURE:

AAV-mediated gene transfer in models of albinism

Alberto Auricchio, TIGEM, Naples, Italy

h. 11.00/11.20 - Coffee break

h. 11.20/12.50 - INTRODUCTORY LECTURE & PRACTICAL DEMONSTRATION:

Preparation of TMA from normal and pathological samples

Paolo Nuciforo, IFOM-IEO-CAMPUS, Milan, Italy

h. 12.50/14.00 - Lunch

Saturday afternoon session at IFOM-IEO Campus: "Mouse models" (h. 14.00/17.30)

h. 14.00/14.40 - LECTURE:

Mouse melanoma models to cell culture

Lionel Larue, Institut Curie, Paris, France

h. 14.40/15.20 - LECTURE:

The molecular link between development and melanoma

Colin Goding, Marie Curie Research Institute, Oxted, UK

h. 15.20/15.40 - Coffee break

h. 15.40/16.20 - LECTURE:

In vivo and in vitro melanocyte/melanoblast migration

Bernard Wehrle-Haller, Centre Médical Universitaire, Genève, Switzerland

h. 16.20/17.00 - LECTURE:

Role of Otx genes in the neural differentiation in vivo and in vitro in ES cells

Antonio Simeone, CEINGE Biotechnologie Avanzate, Naples, Italy

h. 17.00/17.30 - Closing remarks

End of the course

General information

CURRICULUM VITAE SUBMISSION:

» Each participant is kindly requested to submit a curriculum vitae including: education, reference person, recent publications, a brief summary describing his/her current research work and a statement of interest in the course.

» The number of participants will be limited to **40** to allow extensive discussions and scientific exchange.

» Selection of participants will be based on scientific merit and interest.

» Only **on line** submissions are accepted. For submitting please reach: www.semm.it/course/melanoma07

DEADLINES

Applications: January 31, 2007

Notification to successful applicants: February 10, 2007

Registration & Hotel Booking: February 28, 2007

SCIENTIFIC COMMITTEE

Luisa Lanfrancone
IFOM-IEO Campus
Via Adamello, 16 - 20139 Milan, Italy
luisa.lanfrancone@ifom-ieo-campus.it

EVENT COORDINATOR

Sabrina Frata
SEMM Foundation
c/o IFOM-IEO Campus
Via Adamello, 16 - 20139 Milan, Italy
ph. +39.02.574303296
fax +39.02.574303231
sabrina.frata@semm.it

ORGANIZING SECRETARIAT

CQ TRAVEL Srl
Via Pagliano, 3
20149 Milan, Italy
Ph. +39.02.4804951
Fax +39.02.43911650
congress@cq-travel.com

For further information and applications please reach

www.semm.it/course/melanoma07