

The Skin: from Melanocyte to Melanoma. Theoretical and Practical Course

Scientific program

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

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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 Steingrimsón, 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

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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 Biotechnology Avanzate, Naples, Italy

h. 17.00/17.30 Closing remarks

End of the course