

# Scientific Program

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## Monday, September 12, 2016

*h. 13.00-18.00 Registration and Poster set up*

*h. 14.30-16.30 Workshop “Role of Vitamin D in Skin Cancer Risk and Prognosis”*

*h. 14.00-17.00 ESPCR Council Meeting*

### **h. 17.00-17.15 Opening Remarks**

#### **Session 1: Development and Migration of Melanocytes – Chair: Eirikur Steingrímsson**

*(Dept. of Biochemistry and Molecular Biology, Reykjavik, Iceland)*

**h. 17.15-17.45 Lukas Sommer**

*Dept. of Oncology, University Hospital Zurich, Zurich, Switzerland*

*“Yy1 Is a Central Regulator of Metabolism and Growth in Neural Crest Stem Cells and Melanoma”*

**h. 17.45-18.00 Corinna Köhler**

*Lab. for Molecular Cancer Biology, Center for the Biology of disease, VIB, Leuven, Belgium*

*“Long-lived Fully Differentiated Melanocytes can Serve as Cellular Origin of Cutaneous Melanoma”*

**h. 18.00-18.15 Yusuke Nagao**

*Biosci. Biotech. Ctr., Nagoya Univ., Japan; Dept. of Biol. & Biochem., Univ. of Bath, UK*

*“Sox5 Modulates Sox10-mediated Pigment Cell Fate Specification in Medaka and Zebrafish”*

**h. 18.15-18.30 Kyriakos Orfanidis**

*Dept. of Dermatology and Venerology, and Dept. of Clinical and Experimental Medicine, Linköping University, Linköping, Sweden*

*“Evaluation of TUBB3 as a Novel Diagnostic Marker to Distinguish Nevi from Melanoma”*

**h. 18.30–19.00 Margret H. Ogmundsdóttir**

*School of Health Sciences – Faculty of Medicine, Reykjavik, Iceland*

*“The Transcriptional Regulation of Autophagy in Melanoma”*

***h. 19.30-21.00 Welcome Aperitif***

## Tuesday, September 13, 2016

#### **Session 2: Pigmentation Disorders – Chair: Mauro Picardo**

*(San Gallicano Dermatologic Institute, Rome, Italy)*

h. 09.00-09.30 **Julien Seneschal**

*INSERM U1035, Université de Bordeaux, Bordeaux, France*

“New Insights on Innate and Adaptive Immune Response in Vitiligo”

h. 09.30-09.45 **Doreen Schwochow-Thalmann**

*Dept. of Animal Breeding and Genetics, Swedish University of Agricultural Sciences, Sweden; GABI, INRA, AgroParisTech, Université Paris-Saclay, Jouy-en-Josas, France*

” Towards Understanding the Molecular Basis of Pigment Pattern Formation in Birds”

h. 09.45-10.15 **Maria Vittoria Schiaffino**

*Division of Genetics and Cell Biology, San Raffaele Scientific Institute, Milan, Italy*

“Role of the Master Lysosomal Regulator TFEB in the Pathogenesis of Ocular Albinism”

h. 10.15-10.30 **Marta Abrisqueta González**

*Dept. of Biochemistry, Molecular Biology and Immunology, University of Murcia, Spain, and Instituto Murciano de Investigación Biomédica (IMIB)*

“Human Melanocortin 1 Receptor (MC1R)-dependent Post-translational Modification of  $\beta$ -Arrestins (ARRBs)”

h. 10.30-10.45 **Ian J. Jackson**

*University of Edinburgh, Edinburgh, UK*

“The Genetics and Genomics of Human Hair Colour Variation”

h. 10.45-11.10 *Coffee break*

### **Session 3: Melanins and Melanogenesis: Mechanisms of Control and Applications – Chair: Alessandra Napolitano**

*(Department of Chemical Sciences, University of Naples Federico II, Naples, Italy)*

h. 11.10-11.40 **Shosuke Ito**

*Dept. of Chemistry, Fujita Health University, Nagoya, Japan*

“Biochemical Mechanism of Rhododendrol-induced Leukoderma”

h. 11.40-11.55 **Patrick Bogdanowicz**

*Dermo Cosmetic Center, Toulouse, France*

“Preclinical and Clinical Efficacy of a Dermo-Cosmetic Skin Lightening Cream in Women Suffering from Melasma”

h. 11.55-12.10 **Miguel C. Seabra**

*CEDOC, NOVA Medical School, Faculdade de Ciências Médicas, Universidade NOVA de Lisboa, Lisbon, Portugal*

“Melanin Processing by Keratinocytes After Transfer”

h. 12.10-12.25 **Lucia Panzella**

*Dept. of Chemical Sciences, University of Naples “Federico II”, Naples, Italy*

“The Role of Carboxyl Groups in Eumelanin and Pheomelanin Properties”

h. 12.25-12.40 **Tadeusz Sarna**

*Dept. of Biophysics, Jagiellonian University, Krakow, Poland*

“Photogeneration and Quenching of Singlet Oxygen and Superoxide Anion by Synthetic Eumelanins and Pheomelanins”

h. 12.40-13.45 *Lunch*

h. 12.40-13.45 **Round table: “Science is Not Gender Neutral, Fortunately”**

**Chair: Luisa Lanfrancone** (*European Institute of Oncology, IEO, Milan, Italy*)

Discussant: Susanna Chiocca, Marie-Dominique Galibert, Sara Gandini, Marisol Soengas

**h. 14.00-15.00 Keynote Lecture: Andrea Ballabio**

*Telethon Institute of Genetics and Medicine, TIGEM, Naples, Italy*

“The Awesome Lysosome”

*h. 15.00-15.20 Coffee break*

**Session 4: Molecular Epidemiology – Chair: Sara Gandini**

*(European Institute of Oncology, IEO, Milan, Italy)*

**h. 15.20-15.50 Mathieu Boniol**

*International Prevention Research Institute, Lyon, France*

“Melanoma Mortality Worldwide, Toward a Decreasing Burden in the Next Decades”

**h. 15.50-16.05 Roberta Colucci**

*Dept. of Surgery and Translational Medicine, Section of Dermatology, University of Florence, Florence, Italy*

“Association of Vitamin D Status with Clinical Features and Repigmentation in Vitiligo Patients: Preliminary Results from an Observational Study”

**h. 16.05-16.20 Chiara Martinoli**

*Melanoma Medical Oncology Unit, European Institute of Oncology, Milan, Italy*

“Prognostic Relevance of Baseline Hematological Profiles in Melanoma Patients”

**h. 16.20-16.50 Susana Puig**

*Dermatology Department, IDIBAPS, Universitat de Barcelona, Barcelona, Spain*

“Clinical Implications of Genetics of Melanoma”

**Night at disposal for participants**

**Wednesday, September 14, 2016**

**Session 5: Melanocytes and Melanoma Molecular Pathways – Chair: Marie-Dominique Galibert**

*(IGDR, University of Rennes, Rennes, France)*

**h. 09.00-09.30 Laura Machesky**

*Cancer Research UK Beatson Institute, Glasgow, UK*

“RhoGTPases Control Melanoblast Migration”

**h. 09.30-09.45 Vittoria Maresca**

*San Gallicano Dermatologic Institute, Rome, Italy*

“Role of A-MSH in the Control of Proliferation in Melanocytes and Melanoma Cells”

**h. 09.45-10.00 Gian Marco De Donatis**

*INSERM, U1065, Centre Méditerranéen de Médecine Moléculaire (C3M), team 12, Nice, France*

“NIK Inhibition Potentiates Anti-PD1 Treatment by Inducing IFN- $\gamma$  Release by Cancer Cells”

**h. 10.00-10.30 Yardena Samuels**

*Department of Molecular Cell Biology, Weizmann Institute of Science, Rehovot, Israel*

“RASA2 is a Novel Tumor Suppressor in Melanoma”

*h. 10.30-10.50 Coffee break*

**Session 6: Melanocytes and Melanoma Molecular Pathways (continued) – Chair: Colin Goding**

*(Ludwig Institute for Cancer Research, University of Oxford, Oxford, UK)*

**h. 10.50-11.20 Daniel Peeper**

*Department of Molecular Oncology, NKI, Amsterdam, The Netherlands*

“Systematic Genetic Perturbations to Reveal Melanoma Vulnerabilities”

**h. 11.20-11.35 Marie-Dominique Galibert**

*CNRS UMR 6290, IGDR, Université de Rennes; CHU Rennes, Laboratoire de Génomique Médicale, Rennes, France*

“Tailored Small Oligonucleotides Abolish MiRNA Sequestration and Restore MicroRNA Tumour Suppressor Activity”

**h. 11.35-11.50 Marine Melixetian**

*Dept. of Experimental Oncology, European Institute of Oncology, Milan, Italy*

“Loss of Long Non Coding, RNA TINCR Promotes Melanoma Growth and Metastasis Formation by Inducing a Switch to an Invasive Phenotype”

**h. 11.50-12.20 Ze’ev Ronai**

*Sanford Burnham Prebys Medical Discovery Institute, La Jolla, USA*

“A Transcriptionally Inactive ATF2 Variant Drives Melanogenesis”

*h. 12.20-13.00 Lunch*

**h. 13.00-14.45 Poster session**

**h. 14.45-15.30 Flash talks – Chair: Yardena Samuels** *(Dept. of Molecular Cell Biology, Weizmann Institute of Science, Rehovot, Israel)*

**h. 14.45-14.50 Jacques Rouanet**

*UMR990 INSERM Uda Clermont-Ferrand; Dermatology Dept., CHU Estaing Clermont-Ferrand, France*

“Melanoma Targeted Radionuclide Therapy with Melanin-Ligands: Molecular Mechanisms and Potentialisation”

**h. 14.50-14.55 Ahmad Najem**

*LOCE, Institut Jules Bordet, Université Libre de Bruxelles, Brussels, Belgium*

“Opposite Roles for MITF and P53 in the Resistance of Mutant NRAS Melanoma to MEK Inhibition”

**h. 14.55-15.00 Ilse Hurbain**

*Institut Curie, PSL Research University, CNRS, UMR 144,; Sorbonne Université, Paris, France*

“A Systematic Analysis of Melanosome Structure and Distribution in Different Skin Color Phenotypes: Identification of Melanocore Clusters as Lysosome Related Organelles”

**h. 15.00-15.05 Seung Hyun Bang**

*Dept. of Dermatology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea*

“A Novel Ion Channel Activator, CyPPA Inhibits Melanogenesis via the GSK3 $\beta$ / $\beta$ -catenin Pathway”

**h. 15.05-15.10 Justine Leclerc**

“Oncogenic MITFE318K Promotes Senescence Delay and Melanoma Progression”

**h. 15.10-15.15 Josue Ballesteros**

*Dept. of Biochemistry and Molecular Biology, Biomedical Center, Faculty of Medicine, University of Iceland, Reykjavik, Iceland*

“MITF, TFEB and TFE3 in Melanoma – Regulation and Interaction”

h. 15.15-15.20 **Lluís Montoliu**

*Centro Nacional de Biotecnología (CNB-CSIS) y Centro de Investigación Biomédica en Red en Enfermedades Raras (CIBERER-ISCIII), Madrid, Spain*

“New Mouse Models of Albinism Generated with CRISP-Cas9 Technology”

h. 15.20-15.30 Open Discussion

**Interactive Session with Researchers and Clinicians**

**Melanoma Models: What Is Needed to Move from Bench to Bedside?**

**Chair: Sara Gandini & Luisa Lanfrancone** (*European Institute of Oncology, IEO, Milan, Italy*)

h. 15.30-15.50 **Lionel Larue**

*Institut Curie, Orsay, France*

“Relevance of In Vivo and In Vitro Models for Melanoma”

h. 15.50-16.10 **Pier Francesco Ferrucci**

*European Institute of Oncology, IEO, Milan, Italy*

“Immunotherapy and New Targets in the Treatment of Advanced Melanoma”

h. 16.10-16.30 **Daniela Massi**

*Division of Pathological Anatomy, University of Florence, Florence, Italy*

“Tissue Biomarkers’ Development”

h. 16.30-17.00 **Open discussion**

h. 17.00-17.20 *Coffee break*

**Session 7: Cell Metabolism Dysregulation in Melanoma – Chair: Corine Bertolotto**

*(INSERM U1065, Université de Nice Sophia-Antipolis, Nice, France)*

h. 17.20-17.50 **Colin Goding**

*Ludwig Institute for Cancer Research, University of Oxford, Oxford, UK*

“An Evolutionarily Conserved Driver of Melanoma Invasiveness”

h. 17.50-18.05 **Stefania Guida**

*Dermatology Unit, University of Modena and Reggio Emilia, Modena, Italy*

“Metabolic Reprogramming in Melanoma: the Role of Peif2alpha”

h. 18.05-18.20 **Stéphane Rocchi**

*INSERM, U1065, Centre Méditerranéen de Médecine Moléculaire (C3M), Equipe Biologie et Pathologie des cellules mélanocytaire : de la pigmentation cutanée au mélanome, Nice; Université de Nice Sophia Antipolis, UFR de Médecine, Nice; Service de Dermatologie, Hôpital Archet II, CHU Nice, France*

“New Compounds Triggering Endoplasmic Reticulum Stress Exert Anti-Melanoma Effects and Overcome BRAF Inhibitor Resistance”

h. 18.20-18.50 **Jean Christophe Marine**

*Flanders Interuniversity Institute for Biotechnology, Leuven, Belgium*

“Integrative and Comparative Genomics Analyses Identify Genetic and Epigenetic Drivers of Melanoma”

**h. 20.30 Social Dinner**

**Thursday, September 15, 2016**

## **Session 8: Melanoma Microenvironment and the Role of Inflammation – Chair: Lionel Larue**

*(Institut Curie, Orsay, France)*

**h. 9.00-9.30 Thomas Tuetting**

*Department of Dermatology University Hospital Magdeburg, Germany*

“The Role of Neutrophils in Melanoma Pathogenesis and Resistance to Immunotherapy”

**h. 9.30-9.45 Thomas Rouillé**

*Institut National de la Santé et de la Recherche Médicale (INSERM), U938, Saint-Antoine Research Center, Paris; Université Pierre et Marie Curie-Paris VI, Paris, France*

“Varying Proliferative and Clonogenic Potential in NRAS-mutated Congenital Melanocytic Nevi According to Size”

**h. 9.45-10.00 Petra Wäster**

*Experimental Pathology, Department of Clinical and Experimental Medicine, Faculty of Medicine, Linköping University, Linköping, Sweden*

“The Relationship Between UV Induced Lysosomal Exocytosis and Melanosome Transfer in Melanocytes”

*h. 10.00-10.20 Coffee break*

**h. 10.20-10.50 Marisol Soengas**

*Molecular Pathology Programme, CNIO, Madrid, Spain*

“Imaging and Targeting Pre-metastatic Niches in Melanoma”

**h. 10.50-11.50 Fritz Anders Memorial Lecture: Richard Marais**

*Cancer Research UK Manchester Institute, Manchester, UK*

“Precision Medicine for Melanoma”

*h. 11.50-12.50 ESPCR Assembly*

*h. 13.00-14.00 Light lunch*

## **Session 9: Highlights from the Other Pigment Cell Societies – Chair: Lluís Montoliu**

*(Department of Molecular and Cellular Biology, National Centre for Biotechnology, Madrid, Spain)*

**h. 14.00-14.15 Kyoung-Chan Park**

*Dept. of Dermatology, Seoul National University Bundang Hospital/ASPCR, Seongnam, Korea*

“New Aspects of Melasma Treatment in Asians”

**h. 14.15-14.30 Boon Kee Goh**

*Mount Elizabeth Medical Centre/ASPCR, Singapore, Singapore*

“When a Leukoderma is not Vitiligo”

**h. 14.30-14.45 Kazumasa Wakamatsu**

*Dept. of Chemistry, Fujita Health University, School of Health Science Toyoake/JSPCR, Aichi, Japan*

“The Metabolic Fate of Ortho-quinones Derived from Catecholamine Metabolites”

**h. 14.45-15.00 Caroline Le Poole**

*Dept. of Microbiology and Immunology, Loyola University Chicago/PASPCR, Chicago, USA*

“Testing HSP70iQ<sub>435A</sub> Treatment for Vitiligo in Large Animals”

## **Closing remarks**

End of the meeting

*h. 15.30-17.30 IFPCS Council Meeting*