



Couvent des JACOBINS, Rennes France

SCIENTIFIC PROGRAM

Monday , September 24, 2018

11.00 – 13.30 *ESPCR Council Meeting*

12.00 – 18.00 *Registration and Poster Set up*

14.00 – 14.15 *Opening Remarks, Marie-Dominique Galibert*

Session 1 **Development and Biology of the Melanocyte Lineage**
Chairs: V. Delmas & I. Jackson

14.15 – 14.45 **Carmit Levy & Mehdi Khaled**
Tel Aviv University, Israel; Institut Gustave Roussy, France
Skin UV-protection timer

14.45 – 15.00 **Lionel Larue, Institut Curie, Orsay, France**
 β -catenin promotes the specification of melanocytes

15.00 – 15.30 **Robert Kelsh, University of Bath, United Kingdom**
Zebrafish pigment pattern formation – straightening out striping

15.30 – 15.45 **Heather C. Etchevers, Inserm U1251 University of Aix Marseille, France**
Constitutive activation of Nras in mouse embryonic neural crest cells promotes melanocyte and follicular density but not tumorigenesis

15.45 – 16.15 **Coffee Break**

Session 2: **From Melanin Synthesis to Function**
Chairs: J-C. Garcia-Borron & M. Cario-André

16.15 – 16.45 **Shosuke Ito, Fujita Health University, Nagoya, Japan**
Chemical characterization of melanin and its application to study regulation of mixed-melanogenesis

16.45 – 17.00 **Lucia Panzella, University of Naples "Federico II", Naples, Italy**
The late stages of melanogenesis: exploring the chemical facets and the application opportunities

17.00 – 17.30 **Thierry Douki, UMR5819 UGA-CNRS-CEA/ Univ. of Grenoble, France**
Contribution of melanin to the specificity of UV-induced DNA damage in melanocytes

17.30 – 17.45 **Michal Sarna, Jagiellonian University, Krakow, Poland**
Generation of singlet oxygen and super oxide anion by natural melanin pigments

18.00 – 19.00 **ESPCR Award Lecture: Sponsored by ESPCR**
Chair: L. Montoliu
Alain Taieb, Inserm U1035, University of Bordeaux, France
Vitiligo: learning from research and international collaboration

19.00 – 21.30 **Welcome Aperitif at the Couvent des Jacobins**

Tuesday, September 25, 2018

Session 3 Melanocytes and their Ecosystems: Cell Migration & Communication

Chairs: E. Healy & E. Steingrimsson

- 9.00 – 9.30** Laura Machesky, *Cancer Research UK, Beatson Institute, Glasgow, United Kingdom*
The role of Rho-family GTPases in the melanoblast journey
- 9.30 – 9.45** Duarte C. Barral, *Universidade NOVA de Lisboa, Portugal*
The exocyst tethering complex is required for melanin exocytosis from melanocytes and transfer to keratinocytes`
- 9.45 – 10.15** Carien Niessen, *Department of Dermatology and CECAD Cologne, Germany*
Adhesion and polarity in making, maintaining and breaking epithelial barriers
- 10.15 – 10.30** Cédric Delevoye, *Institut Curie, Paris, France*
Caveolae are mechano-signaling platforms of melanocytes required for skin pigmentation
- 10.30 – 10.45** Farah Jaber-Hijazi, *University of Glasgow, United Kingdom*
Histone chaperone HIRA in melanoblast development and melanocyte stem cell ageing
- 10.45 – 11.15** Coffee Break

Session 4 Melanoma and their Ecosystems

Chairs: G. Ghanem & C. Jiménez-Cervantes

- 11.15 – 11.45** Victoria Sanz Moreno, *Cancer Research UK, Kings College London, United Kingdom*
Novel roles of ROCK-Myosin II in melanoma
- 11.45 – 12.00** Lionel Larribère, *German Cancer Research Center (DKFZ), Heidelberg, Germany*
Molecular relationship between melanocyte early progenitors and melanoma progression and drug resistance
- 12.00 – 12.15** Sophie Tartare-Deckert, *Inserm U1065, Université Côte d'Azur, Nice, France*
Discoidin Domain Receptors DDR1 and DDR2 promote matrix-mediated drug resistance (MM-DR) to MAPK-targeting therapies in melanoma
- 12.15 – 12.30** Cecilia Herraiz *University of Murcia, Murcia, Spain*
Downregulation of MGRN1 expression decreases the metastatic potential of melanoma cells *in vitro* and *in vivo*
- 12.30 – 13.15** FLASH TALK SESSION # 1 : "Come and visit my poster"
Chair: C. Delevoye
- 13.15 – 14.30** POSTER SESSION # 1 – Lunch

Session 5 Pigmentation Genetics & Disorders (Part-1)

Chairs: M. Picardo & V. Del Marmol

- 14.30 – 15.00** William Pavan, *Genetic Disease Research Branch, NIH, Washington, USA*
Comparative genome biology approaches to pigment variation
- 15.00 – 15.30** Lluís Montoliu, *CNB-CSIC, Madrid, Spain*
Understanding patient-specific albinism mutations with CRISPR genome-edited animal models
- 15.30 – 15.45** Perrine Pennamen, *Inserm U1211 - University of Bordeaux, France*
Missing variants in albinisms: strategies and preliminary findings in molecularly unconfirmed albinism patients
- 15.45 – 16.00** Muriel Cario-André, *Inserm 1035, University of Bordeaux, France*
Cole disease: Role of ENPP1 in regulation of pigmentation and epidermal differentiation
- 16.00 – 16.30** Coffee Break

Session 6 Pigmentation Genetics & Disorders (Part-2)

Chairs: G. Raposo & D. Barral

- 16.30 – 17.00** Michael Marks, *University of Pennsylvania, Philadelphia, USA*
Lessons on melanosome biogenesis from the Hermansky-Pudlak syndromes
- 17.00 – 17.15** Roberta Colucci *University of Florence, Florence, Italy*
Evaluation of gut microbiota in vitiligo patients: preliminary results
- 17.15 – 17.30** Li Zhang, *Huanshan Hospital, Fudan University, China*
CXCL10 as Clinical marker of Vitiligo : a prospective cohort study in 300 patients
- 17.30 – 17.45** Meri K Tulic, *Inserm U1065 Université Côte d'Azur, Nice, France*
CXCR3B activation at the surface of melanocytes initiates the anti-melanocytic response in vitiligo
- 17.45 – 18.15** **FLASH TALK SESSION # 2 : “Come and visit my poster”**
Chair: D. Gilot
- 18.15 – 20.30** **POSTER SESSION # 2 – Beer / Cheese and Wine**

Wednesday, September 26, 2018

Session 7 Stress, Apoptosis and Metabolism of Pigment Cells

Chair: D. Bennett & S. Moretti

- 9.00 – 9.30** Barbara Bellei, *San Gallicano Dermatologic Institute, Rome, Italy*
Oxidative stress and impaired bioenergetic capabilities interplay in vitiligo melanocytes
- 9.30 – 9.45** Jaskaren Kohli, *European Research Institute for the Biology of Ageing, Groningen, Netherlands*
Targeting Apoptosis in Senescent Naevus cells as a Novel Preventative Measure against Melanoma
- 9.45 – 10.15** Colin Goding, *Ludwig Institute for Cancer Research, University of Oxford, United Kingdom*
Phenotypic heterogeneity and melanoma progression
- 10.15 – 10.30** Eleonora Leucci, *LKI Leuven Cancer Institute, Leuven, Belgium*
Treating Melanoma as an infectious disease
- 10.30 – 11.00** **Coffee Break**

Session 8 (Epi)genetic of Pigment and Melanoma Cells

Chairs: C. André & R. Luiten

- 11.00 – 11.30** Pierre Close, *Lab. Cancer Signalling, University of Liège, Belgium*
Codon-specific translation reprogramming promotes resistance to targeted therapy
- 11.30 – 11.45** Catherine André, *CNRS UMR 6290, University of Rennes, France*
Canine oral melanomas as models for genetics and therapies of human mucosal melanomas
- 11.45 – 12.00** Conrado Martinez-Cadenas, *Jaume I University, Castellon, Spain*
Ultra-deep targeted sequencing reveals the key role of sun exposure in the accumulation of somatic mutations in cancer-free human skin
- 12.00 – 12.30** Stephan Vagner, *Institut Curie, Orsay, France*
The eIF4F Translation Complex Controls T lymphocyte-Induced PD-L1 Expression to Mediate Tumor Immune Escape
- 12.30 – 12.45** Irwin Davidson, *Institut de Génétique et de Biologie Moléculaire et Cellulaire, Illkirch, France*
Essential roles of the PBAF and NURF chromatin-remodelling complexes in melanoma

12.45– 14.00 Lunch

Session 9 Mechanisms and Modulation of the Melanoma Program
Chairs: S. Tartare-Deckert & C. Goding

14.00 – 14.30 **Jean-Christophe Marine, VIB, Center for Cancer Biology, Belgium**
Melanoma intra-tumor heterogeneity, cellular plasticity and therapy resistance

14.30 – 14.45 **Sébastien Corre, CNRS UMR6290, University of Rennes, France**
Sustained activation of the Aryl hydrocarbon Receptor (AhR) transcription factor promotes the resistance to BRAF inhibitors in melanoma

14.45 – 15.15 **Corine Bertolotto, Inserm U1065, University of Nice Côte d'Azur, Nice, France**
Pivotal role of NAMPT in the phenotypic switch of melanoma cells and resistance to therapies

15.15 – 15.30 **Svenia Meierjohann, University of Würzburg, Germany**
Glutathione-dependent reprogramming of melanoma

15.30 – 15.45 **Lukas Sommer, University of Zürich, Switzerland**
Loss of primary cilia drives formation of metastatic melanoma

15.50 – 16:45 **ESPCR General Assembly**

17.00 **Departure by bus to Saint-Malo**

19.30 – 22.45 **Gala Dinner at “Le Chateaubriand” in Saint-Malo**
Poster Prize – Travel Awards

23.00 – 24.00 **Return by bus to Rennes**

Thursday, September 27, 2018

Session 10 Therapeutic Innovation
Chairs: L. Sommer & L. Boussemart

9.00 – 9.30 **Mitchell Levesque, University of Zürich Hospital, Switzerland**
Novel biomarkers and targets in translational melanoma research

9.30 – 9.45 **Fabrice Journe, Institut Jules Bordet, Univ. Libre de Bruxelles, Belgium**
The proteoglycan brevicane as a new prognostic marker related to MITF activity in melanoma

9.45 – 10.15 **Luisa Lanfrancone European Institute of Oncology, Milano, Italy**
New treatment opportunities by in vivo and in vitro screening approaches in melanoma

10.15 – 10.45 **Coffee Break**

10.45 – 11.00 **Gabriella Guida, School of Medicine, University of Bari, Italy**
New horizons in treatments of metastatic melanoma: the role of tomatine

11.00 – 11.15 **Jacques Rouanet, Inserm U1240, Univ. Clermont/Auvergne - France**
Melanoma targeted radiation therapy by [131I]ICF01012 combined with targeted therapies and immune checkpoint inhibitors

11.15 – 12.15 **Keynote Lecture,**
Chair: MD Galibert

Thomas Tüting Dept. of Dermatology University Hospital Magdeburg, Deutschland
The role of an inflammatory environment in melanoma disease progression and resistance to therapy

Concluding Remarks

12.30 – 14.00 **Farewell Lunch**