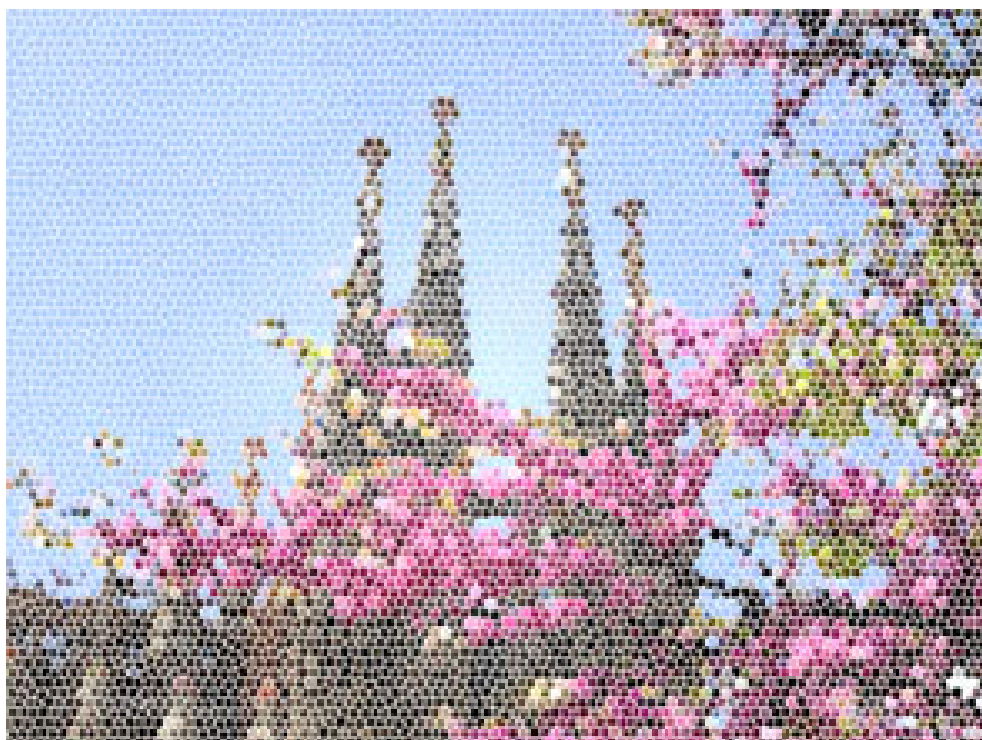
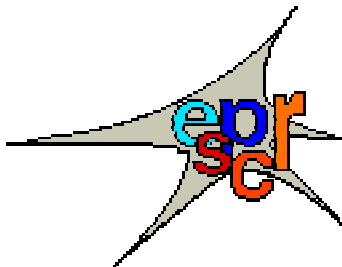


# 13<sup>th</sup> meeting of the European Society for Pigment Cell Research (ESPCR06)



24-27 September 2006, Barcelona, Spain  
Auditorium of Sant Joan de Déu / Hotel Abba Garden  
(next to Hospital Sant Joan de Déu, HSJD, Barcelona)

## **FINAL PROGRAM** **PARTICIPANT'S ADDRESSES**



Conference Organiser:

**Lluís Montoliu** (CNB-CSIC, Madrid), Chair

Organising Committee:

**Lluís Montoliu** (CNB-CSIC, Madrid), Chair  
**José Carlos García-Borrón** (Univ. Murcia), Vice-Chair  
**Susana Puig** (Hospital Clínic, Barcelona)  
**Agustín Alomar** (Hospital de Sant Pau, Barcelona)  
**Celia Jiménez Cervantes** (Univ. Murcia)  
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**Juan José Lazcano** (CNB-CSIC, Madrid)  
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Meeting Secretariat:

**M<sup>a</sup>Teresa Ibáñez** (PCB, Barcelona)  
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**Beatriz Martínez** (CNB-CSIC, Madrid)

Organising Institutions:

**European Society of Pigment Cell Research** (ESPCR)  
**Centro Nacional de Biotecnología** (CNB-CSIC, Madrid)  
**Parc Científic de Barcelona** (Barcelona Science Park, PCB)

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**Agustín Alomar** (Hospital de Sant Pau, Barcelona)  
**Friedrich Beermann** (ISREC, Epalinges, Switzerland)  
**Dorothy Bennett** (St. George's, University of London, UK)  
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**Colin Goding** (Marie Curie Research Institute, Oxted, Surrey, UK)  
**Ian Jackson** (MRC, Human Genetics Unit, Edinburgh, UK)  
**Robert Kelsh** (University of Bath, UK)  
**Lionel Larue** (Institute Curie, Orsay, France)  
**Lluís Montoliu** (CNB-CSIC, Madrid)  
**Mauro Picardo** (Istituto Dermatologico San Gallicano, Roma, Italy)  
**Susana Puig** (Hospital Clínic, Barcelona)  
**Miguel Seabra** (Imperial College London, UK)  
**Nico Smit** (Leiden University Medical Centre, The Netherlands)  
**Alain Taïeb** (Hôpital Saint-André, 1, Bordeaux, France)  
**Bernhard Wehrle-Haller** (Centre Medical Universitaire, Geneva, Switzerland)

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## ESPCR06 MEETING - SCHEDULED SESSIONS

### I. **Developmental biology of pigment cells**

Chairs: **Lionel Larue, Lidia Kos**

**Takahiro Kunisada**  
**William Pavan**  
**Irwin Davidson**

### II. **Genetics of pigmentation**

Chairs: **Shigeki Shibahara, Colin Goding**

**Robert Kelsh**  
**Heinz Arnheiter**  
**Eirikur Steingrímsson**

### III. **Melanins and Melanogenesis**

Chairs: **Francisco Solano, Nico Smit**

**Vincent Hearing**  
**José Carlos García-Borrón**  
**Alessandra Napolitano**

### IV. **Animal Models of Pigmentary Disorders and Biological Resources**

Chairs: **Friedrich Beermann, Lluís Montoliu**

**María Blasco**  
**Elena Sviderskaya**  
**Isidro Sánchez-García**

### V. **Signalling Pathways in melanocytes and melanoma cells**

Chair: **Corine Bertolotto, Celia Jiménez-Cervantes**

**Colin Goding**  
**Robert Ballotti**  
**Richard Marais**

### VI. **Trafficking and transfer of melanosomes**

Chair: **Jo Lambert, José Carlos García-Borrón**

**Bernhard Wehrle-Haller**  
**Marjan Huizing**  
**Miguel C. Seabra**

### VII. **Human Pigmentary disorders I: vitiligo**

Chairs: **Agustín Alomar, Silvia Moretti**

**Alain Taïeb**  
**Mauro Picardo**

### VIII. **Human Pigmentary disorders II: albinism**

Chairs: **Richard King, Yasushi Tomita**

**Glen Jeffery**  
**Lluís Montoliu**  
**Valeria Marigo**

**IX. Melanoma and nevi**

Chairs: **Dorothy Bennett, Robert Ballotti**

**Anja K. Bosserhoff**

**Juan A. Recio**

**Celia Bàdenas**

**X. Clinical aspects of melanoma**

Chairs: **Inger Rosdahl, Josep Malvehy**

**Susana Puig**

**Ghanem Ghanem**

**XI. UV-light and epidermal biology**

Chairs: **Vincent Hearing, Laurent Marrot**

**Markus Böhm**

**Zalfa A. Abdel-Malek**

**Marie-Dominique Galibert**

**Fritz Anders Memorial Lecture**

**Manuel Serrano**

**ALBINISM SYMPOSIUM**

Chair: **Lluís Montoliu**

**Richard King**

**Yasushi Tomita**

**Maria Victoria Schiaffino**

**VITILIGO SYMPOSIUM**

Chairs: **Agustín Alomar, Alain Taïeb, Mauro Picardo**

different speakers selected from submitted abstracts

(see program below)

**MELANOMA SYMPOSIUM**

Chair: **Susana Puig**

**Josep Malvehy**

**Jean-Jacques Grob**

**Dorothy Bennett**

Note: All invited speakers and chairs have confirmed their attendance to the ESPCR 2006 meeting

The Organizers of the 13<sup>th</sup> Meeting of the European Society for Pigment Cell Research wish to thank the following institutions and companies for their support:

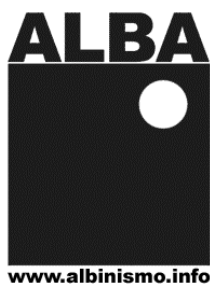
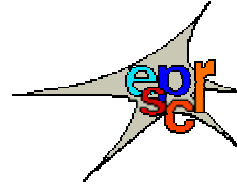
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**Consejo Superior de Investigaciones Científicas (CSIC)**  
**ALBA, Association in support of persons with albinism**

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## ESPCR06 MEETING – Sponsors



## **ESPCR06 Scientific Program**

**IS** = Invited Speaker presentation

**OP** = Short Oral Presentation

**PP** = Poster Presentation

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### **Sunday, 24 September 2005**

9:00 – 10:45            **First ESPCR Council Meeting**  
Hotel ABBA Garden, Room “Cervantes”

11:15 – 13:00           **IFPCS Council Meeting**  
Hotel ABBA Garden, Room “Cervantes”

13:00 – 14:00           **International Program Committee 20th IPCC (Sapporo 2008)**  
Hotel ABBA Garden, Room “Cervantes”

11:00 – 14:00           **Registration** (Auditorium Sant Joan de Déu)  
**Setting up Posters and Stands** (Hotel ABBA Garden)  
Welcome snacks and drinks at Hotel ABBA Garden

#### **ALL SCIENTIFIC SESSIONS AT THE AUDITORIUM SANT JOAN DE DÉU**

14:00 – 14:15           Welcome address  
**Lluís Montoliu**, ESPCR06 Organising Committee, Chair  
**José Carlos García-Borrón**, President ESPCR, Vice-Chair  
**José Ramón Naranjo**, Director of CNB  
**Fernando Albericio**, Director of PCB

14:15 – 15:45           **Session I: Developmental biology of pigment cells**  
Chairs: **Lionel Larue, Lidia Kos**

14:15 - 14:35           **Tsutomu Motohashi, Hitomi Aoki, Kairi Chiba and Takahiro Kunisada**  
**IS01:** Derivation of melanocyte precursors from embryonic stem cells and their differentiation in vivo

14:35 – 14:55           **Dawn Watkins-Chow, Debra Silver, Stacie K. Loftus, Ivana Matera, Denise Larson, Kristina Buac, Cecelia Rivas, Eugene Elliot and William J. Pavan**  
**IS02:** A sensitized mouse mutagenesis screen for novel loci regulating mammalian neural crest development

14:55 – 15:15           **Gabrielle Mengus, Dominique Kobi, Anas Fadloun, Lionel Larue and Irwin Davidson**  
**IS03:** Roles of TFIID subunits TAF4 and TBP in melanocytes in vivo

15:15 – 15:25           **Roman J. Garcia, Avner Ittah, Sheyla Mirabal, Jessica Figueroa, Lidice Lopez, Adam B. Glick, Lidia Kos**  
**OP01:** Inducible transgenic expression of Edn3 partially rescues the pigmentation phenotypes of Edn3<sup>ls</sup>, Kit<sup>w-v</sup>, and A<sup>y</sup> mutant mice

15:25 – 15:35           **Ernesta Fagiani, Giuseppina Giardina, Allegra Pianaroli, Lucilla Luzi, Antonio Simeone and Luisa Lanfrancione**  
**OP02:** RaLP, a novel member of the Shc family, is involved in cell migration and differentiation

15:35 – 15:45           **Geneviève Aubin-Houzelstein, Florence Bernex, Johanna Djian, Véronique Delmas, Ichiro Yajima, and Jean-Jacques Panthier**  
**OP03:** NOTCH/RBP J signalling controls melanocyte lineage development

- 16:00 – 16:45            **Coffee Break at Hotel ABBA Garden**
- 16:45 –18:15            **Session II: Genetics of pigmentation**  
Chairs: **Shigeki Shibahara, Colin Goding**
- 16:45 - 17:05            **Xueyan Yang, Jeanette Müller, Susana Lopes, Thomas J. Carney and Robert N. Kelsh**  
**IS04:** Shading in the function of ANAPLASTIC LYMPHOMA KINASE in pigment cell development
- 17:05 – 17:25            **Kapil Bharti, Alessandro Nodari, Stefano Bertuzzi and Heinz Arnheiter**  
**IS05:** The role of MITF during eye and neural crest development
- 17:25 – 17:45            **Bryndis K. Gisladottir, Norene O'Sullivan, Jon H. Hallsson, Christian Praetorius, Neal Copeland, Nancy Jenkins and Eirikur Steingrímsson**  
**IS06:** BAC transgene rescue experiments and post-translational modifications of the MITF transcription factor
- 17:45 – 17:55            **Angel García-Díaz, Lucia Regales, Hector Rincón-Arano, Martín Escamilla-del Arenal, Félix Recillas-Targa, Lluís Montoliu**  
**OP04:** Functional and structural dissection of DNA regulatory elements found in the locus control region of the mouse tyrosinase gene
- 17:55 – 18:05            **James A. Lister** and AnhThu Nguyen  
**OP05:** Molecular and genetic analysis of mitfa function in zebrafish melanophore development
- 18:05 – 18:15            **Fabien Murisier, Sabrina Guichard, and Friedrich Beermann**  
**OP06:** Control of gene expression in melanocytes and RPE by conserved distal regulatory elements
- 18:30 - 20:00            **Get-together cocktail offered to all participants at the Hotel ABBA Garden**
- 20:00 – 23:00            **Barcelona sightseeing at night (famous Gaudi's buildings, Magic Fountain at Montjuic mountain). Guided touristic tour. Buses departs from Hotel ABBA Garden**

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## **Monday, 25 September 2006**

- 8:00 – 9:00            **Registration (Auditorium Sant Joan de Déu)**
- ALL SCIENTIFIC SESSIONS AT THE AUDITORIUM SANT JOAN DE DÉU**
- 9:00 –10:30            **Session III: Melanins and Melanogenesis**  
Chair(s): **Francisco Solano, Nico Smit**
- 9:00 - 9:20            **Yoshinori Miyamura, Rainer Wolber, Kazumasa Wakamatsu, Shosuke Ito, Christoph Smuda, Jan Batzer and Vincent J. Hearing**  
**IS07:** Regulation of human skin pigmentation and responses to UV
- 9:20 – 9:40            **José Carlos García-Borrón**  
**IS08:** Functional status and trafficking patterns of the red hair colour-associated melanocortin 1 receptor variants
- 9:40 – 10:00            **Alessandra Napolitano, Lucia Panzella, Paola Manini, Giuseppe Monfrecola, Marco d'Ischia**  
**IS09:** Structural markers for pheomelanin analysis: advances and perspectives



- 10:00 – 10:10 **Anthony L. Cook**, T.G. Bladen, W. Chen, D.J. Smit, J.H. Leonard, J.L. Stow and R.A. Sturm  
**OP07:** Use of Human Melanocytic Cells of Defined SLC45A2/MATP and SLC24A5/NCKX5 Genotype in the Analysis of Melanogenesis
- 10:10 – 10:20 **Shosuke Ito**, Kazutaka Murakami, Kazumasa Wakamatsu, Yukiko Nakanishi, Hiroki Takahashi, and Satoshi Sugiyama  
**OP08:** Melanogenesis and oxidative stress are both elevated in patients undergoing hemodialysis
- 10:20 – 10:30 **Vittoria Maresca**, Enrica Flori, Stefania Briganti, Arianna Mastrofrancesco, Alessandra Crisi, Anna Maria Mile, Paola Grammatico, Marco Giorgio Paggi, Mauro Picardo  
**OP09:** Melanin synthesis in in vitro growing melanocytes is strictly associated with catalase activity
- 10:45 – 11:30 **Coffee Break at Hotel ABBA Garden**
- 11:30 – 13:00 **Poster Session (Presenting authors should be by their Posters). Hotel ABBA Garden**
- 13:00 – 14:00 **Fritz Anders Memorial Lecture**  
13:00 – 13:10 Presentation: President ESPCR, **José Carlos García-Borrón**  
13:10 – 13:50 Conference given by 2006 Award:  
**Manuel Serrano**  
**IS39:** The INK4/ARF locus in senescence, cancer and aging
- 14:00 – 15:30 **Lunch at Hotel ABBA Garden**
- 15:30 – 17:00 **Session IV: Animal Models of Pigmentary Disorders and Biological Resources**  
Chairs: **Friedrich Beermann, Lluís Montoliu**
- 15:30 - 15:50 **María Blasco**  
**IS10:** Mouse models to understand the role of telomeres and telomerase in cancer and aging
- 15:50 – 16:10 **Elena V. Sviderskaya**, Takeshi Ichikawa, Linan Ha, Glenn Merlino and Dorothy C. Bennett.  
**IS11:** ARF, P53 and the control of cellular senescence in mouse melanocytes
- 16:10 – 16:30 **Carolina Vicente-Dueñas, Camino Bermejo-Rodríguez, María Pérez-Caro, and Isidro Sanchez-Garcia**  
**IS12:** Function of the zinc-finger transcription factor SNAI2 in health and disease
- 16:30 – 16:40 **Anna Golovko**, Gerli Pielberg, Elisabeth Sundström, Leif Andersson  
**OP10:** Functional characterization of the Grey coat colour gene in horses
- 16:40 – 16:50 **Karine Schouwey**, Lionel Larue, Véronique Delmas, Ulla Zimmer-Strobl, Lothar Strobl, Freddy Radtke, Friedrich Beermann  
**OP11:** Dose-dependent effect of NOTCH1 and NOTCH2 receptors on melanocyte-mediated hair pigmentation
- 16:50 – 17:00 AnnaStina Sahlqvist, Olov Ekwall, Olle Kämpe and **Susanne Kerje**  
**OP12:** Positional cloning of genes underlying autoimmune vitiligo in a unique chicken model
- 17:15 – 18:00 **Coffee Break at Hotel ABBA Garden**
- 18:00 – 19:30 **Session V: Signalling Pathways in melanocytes and melanoma cells**

Chair(s): **Corine Bertolotto, Celia Jiménez-Cervantes**

- 18:00 - 18:20 **Colin Goding**  
**IS13:** Signalling and transcription networks regulating melanocyte and melanoma proliferation and invasiveness
- 18:20 – 18:40 **Corine Bertolotto, Laurent Beuret, Roser Busca, Christine Chiaverini, Christophe Denoyelle, Enrica Flori, Lionel Larribère, Robert Ballotti**  
**IS14:** Role of MITF in differentiation and survival of melanocytes and melanomas
- 18:40 – 19:00 **Richard Marais**  
**IS15:** BRAF signalling in cancer: biology and therapy
- 19:00 – 19:10 **Kimberley Beaumont, Newton RA, Smit DJ, Stow JL, Leonard JH, Sturm RA**  
**OP13:** The molecular mechanism of MC1R association with skin cancer risk phenotypes
- 19:10 – 19:20 **Keith Hoek, Natalie Schlegel, Ossia Eichhoff, and Reinhard Dummer**  
**OP14:** MITF and metastatic potential in melanoma
- 19:20 – 19:30 **Cecilia Bivik, Inger Rosdahl, Karin Öllinger**  
**OP15:** HSP70 protects against UVB induced apoptosis by preventing release of cathepsins and cytochrome C in human melanocytes
- 19:00 – 21:00 **VETF meeting**  
**Hotel ABBA Garden, Room “Cervantes”**
- 21:00 **Dinner IFPCS Council**

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## **Tuesday, 26 September 2006**

- 8:00 – 9:00 **Registration (Auditorium Sant Joan de Déu)**  
**ALL SCIENTIFIC SESSIONS AT THE AUDITORIUM SANT JOAN DE DÉU**
- 9:00 – 10:30 **Session VI: Trafficking and transfer of melanosomes**  
Chair(s): **Jo Lambert, José Carlos García-Borrón**
- 9:00 - 9:20 **Frédérique Paulhe, Monique Wehrle-Haller, Beat A. Imhof and Bernhard Wehrle-Haller**  
**IS16:** Dimerization and intracellular transport of KIT-ligands
- 9:20 – 9:40 **Marjan Huizing, Amanda Helip-Wooley, Wendy Westbroek, Heidi Dorward, Richard Hess, Patrice Held, Raymond Boissy, and William Gahl**  
**IS17:** Cell biology of human disorders of lysosome-related organelles
- 9:40 – 10:00 **Miguel C. Seabra**  
**IS18:** The role of RAB GTPases in the regulation of melanosome biogenesis and motility in melanocytes and retinal pigment epithelial cells
- 10:00 – 10:10 **Julio C. Valencia, Francois Rouzaud, Kevin G. Chen, Gertrude E. Costin, Hiroshi Yamaguchi, Lisa M. Miller Jenkins, Ettore Appella and Vincent J. Hearing**  
**OP16:** The effects of glycosylation over the trafficking and transfer of PMEL17/GP100 revealed by a new antibody PEP25h

- 10:10 – 10:20 **Giulia Bolasco**, N. Aspite, G. Lucania, L.V. Lotti, G. Cardinali, M.R. Torrisi and M. Picardo.  
**OP17:** Keratinocyte growth factor differently regulates the phagocytic process in light and dark skin derived keratinocytes
- I
- 10:20 – 10:30 **Daniel Hedberg**, Sara Aspengren, Margareta Wallin  
**OP18:** Transfer of melanosomes from *Xenopus laevis* melanophores to fibroblasts
- 10:45 – 11:30 **Coffee Break at Hotel ABBA Garden**
- 11:30 – 12:30 **Poster Session (Presenting authors should be by their Posters). Hotel ABBA Garden**
- 12:30 – 13:30 **Session VII: Human Pigmentary disorders I: vitiligo**  
Chairs: **Agustín Alomar, Silvia Moretti**
- 12:30 - 12:45 **Alain Taieb and Mauro Picardo on behalf of the VETF**  
**IS19:** Definition and Assessment of Vitiligo: A Progress Report of the Vitiligo European Task Force
- 12:45 – 13:00 **Mauro Picardo**  
**IS20:** New trends in vitiligo research
- 13:00 – 13:10 **Agustín Alomar**, Lucía Pimentel, Adriana Ribé  
**OP19:** 308nm Excimer Laser in the repigmentation of vitiligo
- 13:10 – 13:20 **Silvia Moretti**, Antonella Simoni, Paolo Fabbri, Samantha Berti, Daniela Massi  
**OP20:** PAR-2 expression in vitiligo and halo nevus
- 13:20 – 13:30 **Jasper G. van den Boorn**, Debby Konijnenberg, Wanda Douwenga, TreesA.M. Dellelmijn, Jan D. Bos, J.P. Wietze van der Veen, Cornelis J. Melief, Florry A. Vyth-Dreese and Rosalie M. Luiten  
**OP21:** Vitiligo-infiltrating T cells kill autologous melanocytes within the skin tissue
- 13:45 – 15:00 **Lunch at Hotel ABBA Garden**
- 15:00 – 16:30 **Session VIII: Human Pigmentary disorders II: albinism**  
Chairs: **Richard King, Yasushi Tomita**
- 15:00 - 15:20 **Glen Jeffery, Marc Tibber and Alan Whitmore**  
**IS21:** Melanin and the regulation of retinal development
- 15:20 – 15:40 Alfonso Lavado, Glen Jeffery, Victoria Tovar, Marta Cantero, Juan Jose Lazcano, Pedro de la Villa, **Lluis Montoliu**  
**IS22:** Rescuing albino visual deficiencies in the absence of melanin
- 15:40 – 16:00 Francesca Giordano, Francesco Vetrini, Roberta Tammaro, Katia Cortese, Enrico M. Surace, Andrea Ballabio, Carlo Tacchetti and **Valeria Marigo**  
**IS23:** Albinism as a defect of melanosome number and maturation and not of melanin production: a lesson from the OA1 gene
- 16:00 – 16:10 Silvia Murillo, Marta Cantero, Juan Jose Lazcano, **Isabel Varela-Nieto**, Lluis Montoliu  
**OP22:** Analysis of the auditory function in an animal model of oculocutaneous albinism type I
- 16:10 – 16:20 **Anand Sitaram**, AC Theos, DC Harper, D Altimare, MV Schiaffino, and MS Marks  
**OP23:** Human OCA2 Localizes to Mature Melanosomes and Requires N-terminal Dileucine Motifs for its Trafficking

- 16:20 – 16:30 **Yasushi Tomita**, Noriyuki Suzuki, Tamio Suzuki, Katsuhiko Inagaki, Shiro Ito, Michihiro Kono  
**OP24:** Ten Novel Mutations of the ADAR1 Gene in Patients with Dyschromatosis Symmetrica Hereditaria
- 16:45 – 17:15 **Coffee Break at Hotel ABBA Garden**
- ALL SYMPOSIA WILL BE HELD AT THE AUDITORIUM SANT JOAN DE DÉU (rooms will be indicated)**
- 17:30 – 19:00 **Concurrent SYMPOSIUM on ALBINISM**  
Chair: **Lluís Montoliu**
- 17:30 - 18:10 **Richard A. King**, C. Gail Summers, William S. Oetting  
**IS32:** The Complexity of Human Albinism
- 18:10 - 18:40 **Yasushi Tomita**  
**IS33:** Oculocutaneous Albinism: its genotype and phenotype correlation
- 18:40 – 19:00 **Maria Victoria Schiaffino**, Piccirillo R., Innamorati G., Bagnato P. and Palmisano I.  
**IS34:** The ocular albinism type 1 (OA1) protein is a resident lysosomal/melanosomal G protein-coupled receptor
- 17:15 – 18:50 **Concurrent SYMPOSIUM on VITILIGO**  
Chairs: **Alain Taïeb, Mauro Picardo, Agustín Alomar**
- 17:15 - 17:30 **Agustín Alomar**  
**IS38:** Topical Khelein Phototherapy: twenty years of experience
- 17:30 – 17:40 **Muriel Cario-André**, C Pain, D Parsad, Y Gauthier, A Taïeb  
**OP34:** The vitiligo melanocytorrhagic hypothesis tested on pigmented reconstructed epidermis stressed with various (immune-related, pro-oxidative and neurogenic) agents
- 17:40 – 17:50 **Maria Lucia Dell Anna**, Monica Ottaviani, Andrea Paro Vidolin, Carlo Cannistraci, Giovanni Leone, Mauro Picardo  
**OP35:** Membrane-associated impairment in melanocyte: a new point of view for the melanocyte degeneration in vitiligo
- 17:50 – 18:00 **Mu-Hyoung Lee**, Yoon Kyung Uhm, Seo Hyun Yoon, Ik Joon Kang, Joo-Ho Chung, Sung-Vin Yim  
**OP36:** Association of Glutathione S-transferase Gene Polymorphisms (GSTM1 and GSTT1) of Vitiligo in Korean Population
- 18:00 – 18:10 **Paula Eves**, Alison Beck, Alex Shard, Nial Bullett, David Haddow and Sheila MacNeil  
**OP37:** Improved technologies for translating culture of human melanocytes to the clinic
- 18:10 – 18:20 **Andreas Overbeck**, IC le Poole  
**OP38:** 11.000 sessions with the 308 nm excimer laser in Vitiligo patients: An evidence based, retrospective study
- 18:20 – 18:30 IC le Poole, C. Hernandez, **Andreas Overbeck**  
**OP39:** Functional regulatory T-cells are present in peripheral blood but absent from skin in vitiligo patients

- 18:30 – 18:40 **Annemieke Fongers**, L. Nieuweboer-Krobotova, A. Wolkerstorfer, J.P.W. van der Veen  
**OP40:** Long-term results of minigraft transplantation in patients with vitiligo vulgaris and segmentalis
- 18:40 – 18:50 **Yvon Gauthier** and A Taïeb  
**OP41:** Proposal for a new classification of segmental vitiligo of the face
- 19:00 - 20:00 **ESPCR General Assembly**  
Auditorium Sant Joan de Déu
- 20:30 Buses depart from Hotel ABBA Garden  
21:00 **ESPCR 2006 Gala Dinner**  
Restaurant “El Cangrejo Loco” (The Crazy Crab), Olympic Port of Barcelona

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## Wednesday, 27 September 2006

- 8:00 – 8:30 **Registration** (Auditorium Sant Joan de Déu)
- ALL SCIENTIFIC SESSIONS AT THE AUDITORIUM SANT JOAN DE DÉU
- 8:30 – 10:00 **Session IX: Melanoma and nevi**  
Chairs: **Dorothy Bennett, Robert Ballotti**
- 8:30 – 8:50 **Anja K. Bosserhoff**  
**IS24:** Model of early development of malignant melanoma
- 8:50 – 9:10 **Juan A. Recio**  
**IS25:** Using a mouse model to find new relevant molecules involved in cutaneous malignant melanoma
- 9:10 – 9:30 **Celia Badenas**  
**IS26:** Genetics of melanoma and nevi predisposition
- 9:30 – 9:40 **Daniela Kovacs**, Elaine Cheng, Mario Sznol, Stephan Ariyan, Harriet Kluger, Yuval Kluger, Sherman Weissman, Mauro Picardo and Ruth Halaban  
**OP25:** DNA Methylation, Gene expression and Growth Regulation in Melanoma Cells
- 9:40 – 9:50 Véronique Delmas, Friedrich Beermann, Silvia Martinozzi, Suzanne Carreira, Julien Ackermann, Mayuko Kumasaka, Laurence Denat, Jane Goodall, Nese Demirkan, Colin R. Goding and **Lionel Larue**  
**OP26:** -catenin suppresses p16Ink4a expression to induce immortalisation of melanocytes and it cooperated with N-Ras in melanoma development
- 9:50 – 10:00 **Damià Tormo**, Aleix Ferrer, Pilar Bosch, Evelyn Gaffal, Etiena Basner-Tschakarjan, Thomas Tüting  
**OP27:** Therapeutic efficacy of antigen-specific vaccination and toll-like receptor stimulation against established transplanted and autochthonous melanoma in mice
- 10:15 – 11:00 **Coffee Break at the Hotel ABBA Garden**
- 11:00 – 12:30 **Session X: Clinical aspects of melanoma**  
Chairs: **Inger Rosdahl, Josep Malvehy**
- 11:00 - 11:20 **Susana Puig**  
**IS27:** Melanoma clinics, genetic susceptibility and environmental factors

- 11:20 – 11:40 **Ghanem Ghanem**  
**IS28:** Current experimental, therapies and future directions in metastatic melanoma
- 11:40 – 11:50 **Rosalie M. Luiten**, Esther W.M. Kueter, Wolter Mooi, Maarten P.W. Gallee, Elaine M. Rankin, Winald R. Gerritsen, Shirley M. Clift, Willem J. Nooijen, Pauline Weder, Willeke F. van de Kastele, Johan Sein, Paul C. M. van den Berk, Omgo E. Nieweg, Anton M. Berns, Hergen Spits and Gijsbert C. de Gast  
**OP28:** Vitiligo development in metastatic melanoma patients following vaccination with autologous GM-CSF-transduced tumor cells
- 11:50 – 12:00 **Makito Sato**, Toshiharu Yamashita, Masae Ohkura, Akiko Sakemoto, Tomoaki Takada, Hidenobu Matsusaka, Ichiro Ono, Yasuaki Tamura, Noriyuki Sato, Akira Ito, Hiroyuki Honda, Kazumasa Wakamatsu, Shosuke Ito and Kowichi Jimbow  
**OP29:** Incorporation to melanoma cells and induction of cell death by magnetite-conjugated N-propionyl cysteaminyphenol (NPrCAP/M) nanoparticles for melanoma CTI therapy
- 12:15 – 13:45 **Session XI: UV-light and epidermal biology**  
Chairs: **Vincent Hearing, Laurent Marrot**
- 12:15 – 12:35 **Markus Böhm**, Agatha Kokot, Meinhard Schiller, Thomas Luger  
**IS29:** Epidermal homeostasis and ultraviolet radiation: leads and lessons from the melanocortin system
- 12:35 – 12:55 **Zalfa A. Abdel-Malek**  
**IS30:** Activation of MC1R modifies the UV response of human melanocytes
- 12:55 – 13:15 **Marie-Dominique Galibert**, Corre S, Baron Y, Mouchet N  
**IS31:** Gene expression regulation in response to UV-light stimulation
- 13:15 – 13:25 **Santos Alonso**, Smith-Zubiaga I, Smit N, Boyano MD, J, Díaz-Pérez JL, García I, Izagirre N, de la Rúa C  
**OP30:** Gene expression profiling of human melanocytes from different skin pigmentation after repeated UVA+B irradiation
- 13:25 – 13:35 S. Robinson, S Dixon, P.S. Friedmann, **Eugene Healy**  
**OP31:** Contribution of melanocortin 1 receptor mediated pigmentary and non-pigmentary mechanisms in in vivo skin responses to ultraviolet radiation
- 13:35 – 13:45 **Barbara Bellei**, Veronica Albanesi, Lionel Larue, Vincent J Hearing and Mauro Picardo  
**OP32:** UVA-induced apoptosis in normal human melanocytes is associated with down-regulation of  $\beta$ -catenin and with reduced transactivation potential of the Tcf/Lef-  $\beta$ -catenin complex
- 13:45 – 14:00 ESPCR06 Concluding Remarks, Travel Awards, Poster Awards  
**Lluís Montoliu**
- 14:00 – 14:15 **Second ESPCR Council Meeting**  
**Auditorium Sant Joan de Déu**
- 14:15 – 15:30 **Lunch at Hotel ABBA Garden**
- SYMPOSIUM WILL BE HELD AT THE AUDITORIUM SANT JOAN DE DÉU**
- 15:30 – 17:00 **SYMPOSIUM on MELANOMA**  
Chair: **Susana Puig**

- 15:30 - 16:00 **Josep Malvehy, S.Segura, C.Carrera, I.Kolm, S.Puig**  
**IS35:** New insights in “in vivo” imaging techniques for the evaluation of melanoma and benign melanocytic lesions
- 16:00 - 16:30 **Jean-Jacques Grob**  
**IS36:** Image and melanoma
- 16:30 – 17:00 **Dorothy C Bennett, Alastair D MacKenzie Ross, Martin G Cook and Elena V Sviderskaya**  
**IS37:** Anomalies of the p53 pathway in melanocytes and melanoma
- End of the 2006 ESPCR Meeting**
- 17:30 – 19:00 **Prof. Richard King** round-table with families of albino persons (**ALBA**)  
Auditorium Sant Joan de Déu (English and translation to Spanish)

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## POSTER PRESENTATIONS

### I. Developmental biology of pigment cells

- PP001 **T. Akiyama**, M. Miwa, M. Inoue-Murayama, M. Mizutani, Y. Kayashima, S. Ito  
ENDOTHELIN RECEPTOR B2 MUTATED JAPANESE QUAIL WITH PANDA PLUMAGE COLOR SHOWS  
HYPOPIGMENTATION DURING DEVELOPMENT
- PP002 **Chung-Hsing Chang**, Jia-Heng Shie, Rong-Kung Tsai  
WNT3a REGULATES THE DEVELOPMENT OF MELANOCYTE IN MURINE NEURAL CELLS AND NEURALS  
CREST-DERIVED CELL LINES
- PP003 **J. Djian-Zaouche**, G. Aubin-Houzelstein, F. Bernex, Da Silva N, P. Salaün and J-J. Panthier  
CHARACTERIZATION OF THE MELANOCYTE LINEAGE IN PATCHWORK HAIR FOLLICLES
- PP004 **Irina Pshenichnaya**, Véronique Delmas, Lionel Larue, Andreas Trumpp, Friedrich Beermann  
THE ROLE OF C-MYC IN MELANOCYTE DEVELOPMENT
- PP005 **Aaron J. Thomas** and Carol A. Erickson  
FOXD3 REPRESSES MELANOGENESIS BY REPRESSING EXPRESSION OF MITF
- PP006 **Matthew. L. Tomlinson**, Robert. A. Field, Grant. N. Wheeler  
PIGMENTATION, MIGRATION AND MORPHOLOGY; A CHEMICAL GENETIC APPROACH TO  
DISSECTING MELANOCYTE DEVELOPMENT IN XENOPUS

### II. Genetics of pigmentation

- PP007 **Geneviève Aubin-Houzelstein**, Pierrick Salaün, Laurent Guillaud and Jean-Jacques Panthier  
PHENOTYPIC INSTABILITY AT THE PATCHWORK LOCUS: AN EPIGENETIC EFFECT ?
- PP008 Letizia Nicoloso, Elisabetta Milanesi, Francesca Fornarelli, **Paola Crepaldi**  
SNPs DISCOVERY IN COAT COLOUR GENES FOR GOATS BREEDS TRACEABILITY: A COMPARATIVE  
APPROACH
- PP009 **Tony Dadd**, Amelia Fereday, Carl Jarman, Wendy Filsell, Rebecca Ginger, Renee Stokowski, David  
Hinds, Krishna Pant, David R. Cox, Frans van-der-Ouderaa, Martin R. Green  
A WHOLE GENOME SJP ASSOCIATION STUDY IDENTIFIES NON-SYNONYMOUS SNPs IN SLC24A5,  
MATP AND TYR ASSOCIATED WITH NATURAL VARIATION IN SOUTH ASIAN COLOUR
- PP010 **Christine Dreyer**, Nicolas Langlade, Margarete Hoffmann, Namita Tripathi, Stephen Russell, and  
Detlef Weigel  
INHERITANCE AND NATURAL VARIATION OF ADULT MALE ORNAMENTS OF THE GUPPY, P.  
RETICULATA
- PP011 **Magdalena Dziembowska**, Natacha Cigna, Oceane Anezo, Fabrice P. Cordelieres and Simon Saule  
CONTROL OF MICROPHTHALMIA TRANSCRIPTION FACTOR LOCALIZATION THROUGH REGULATED  
ISOFORM-SPECIFIC NUCLEAR SHUTTLLING
- PP012 **Fernandez L.P**, Lopez J.M., Milne R.L., J.Bravo , Avilés J.A., Longo M.I., Benítez J., Lázaro P., Ribas  
G.  
MELANOMA RISK IN THE SPANISH POPULATION: SEQUENCING THE MELANOCORTIN-1 RECEPTOR  
(MC1R) GENE
- PP014 **Tomohisa Hirobe**, Kazumasa Wakamatsu and Shosuke Ito  
THE EUMELANIN AND PHEOMELANIN CONTENTS IN DORSAL HAIRS OF FEMALE RECESSIVE YELLOW  
MICE ARE GREATER THAN IN MALE



- PP015 **Jonas Mengel-Jørgensen**, Claus Børsting, Juan J. Sanchez, Niels Morling  
GENE VARIATIONS ASSOCIATED WITH HAIR AND EYE COLOURS IN HUMANS
- PP016 Sofie De Schepper, Tom Callens, Ophelia Maertens, Jean-Marie Naeyaert, **Jo Lambert** and Ludwine Messiaen  
PRESENCE OF A SECOND HIT MUTATION IN MELANOCYTES OBTAINED FROM NEUROFIBROMATOSIS TYPE 1 (NF1) CAFÉ-AU-LAIT MACULES
- PP017 **Tomonori Motokawa**, Tomomi Kato, Yuki Hashimoto, Takayuki Katagiri  
EFFECT OF VAL92MET AND ARG163GLN VARIANTS OF THE MC1R GENE ON THE MELANOGENIC PHENOTYPE IN THE JAPANESE POPULATION
- PP018 **M. Reinisalo**, A. Urtili, P. Honkakoski  
ANALYSIS OF REGULATION OF HUMAN TYROSINASE PROMOTER IN RETINAL EPITHELIAL CELLS (RPE) BY USING REVERSE TRANSFECTION METHOD
- PP019 **Shigeki Shibahara**, Kazuhisa Takeda, Tetsuya Adachi, Feng Han, Satoru Yokoyama, Wataru Hida, and Hiroaki Yamamoto  
AUGMENTED VENTILATORY RESPONSES TO HYPOXIA AND HYPERCAPNIA IN BLACK-EYED WHITE MITF MUTANT MICE

### III. **Melanins and Melanogenesis**

- PP020 **Hideya Ando**, Hirofumi Kondoh, Tomoyuki Asano, Mitsunori Kirihata, and Masamitsu Ichihashi  
POSSIBLE INVOLVEMENT OF TYROSINASE DEGRADATION IN THE MECHANISM OF MELANOGENESIS INHIBITORY AGENTS DERIVED FROM BOTANICAL EXTRACTS
- PP021 **Bieseimeier Antje**, Kokkinou Despina, Schraermeyer Ulrich  
PROTECTION OF HUMAN RETINAL PIGMENT EPITHELIAL CELLS FROM UV-A IRRADIATION BY ZINC IS MELANIN DEPENDENT
- PP022 **William D. Bush** and John D. Simon  
DETERMINATION OF Ca<sup>2+</sup> BINDING PROPERTIES WITHIN SEPIA EUMELANIN
- PP023 **Jocelyne Franchi**, Mathilde Bonnet-Duquenoy, Robin Kurfurst and Sylvianne Schnebert  
ANTI-AGING AND DEPIGMENTING PROPERTIES OF A MALVA SYLVESTRIS EXTRACT
- PP024 **Gallone A.**, Sagliano A, Capozzi V., Perna G., Fiorentino D., Lastella M., Frassanito C., Mezzenga E., Cicero R.  
TYROSINASE AND PEROXIDASE IN AMPHIBIA KUPFFER CELL MELANOSOME
- PP026 **Lanying Q. Hatcher** and John D. Simon  
CHEMICAL INVESTIGATION OF A KEY INITIAL STEP IN THE MELANOGENESIS PATHWAY
- PP027 **Tokimasa Hida**, Kazumasa Wakamatsu, Gregory Barsh, Kowichi Jimbow, Shosuke Ito, Dorothy Bennett  
INDUCTION OF PHEOMELANIN SYNTHESIS IN CULTURED MURINE MELANOCYTES
- PP028 Ana B Perez Oliva, Berta L Sanchez-Laorden, M<sup>a</sup> Carmen Turpin, José C Garcia-Borron, **Celia Jimenez-Cervantes**  
POTENTIAL ROLE OF MC1R AGONIST-INDUCED UBIQUINATION IN RECEPTOR INTERNALIZATION AND TRAFFICKING
- PP029 Akinori Kawakami, Fumio Sakane, Shin-ichi Imai, Hideo Kanoh, Masae Okura, Kuninori Hirosaki, Toshiharu Yamashita, and **Kowichi Jimbow**  
RAB7 INTERACTS WITH THE MELANOSOMAL MATRIX PROTEIN GP100/PMEL17/SILV AND REGULATES ITS MATURATION IN MMAC HUMAN MELANOMA CELLS

- PP030 **Jin Hwa Kim, Ki-Ho Kim, Dong Han Ko, Tae Jin Yoon**  
COMPARATIVE ANALYSIS OF CULTURE CONDITIONS FOR HUMAN MELANOCYTES
- PP031 **R.A. Newton**, D.W. Roberts, J.H. Leonard and R.A. Sturm  
REGULATION OF MELANIN SYNTHESIS IN HUMAN MELANOCYTES BY CAMP AND RESVERATROL: A  
ROLE FOR POST-TRANSCRIPTIONAL MECHANISMS
- PP032 **Dzeneta Nezirevic**, Kerstin Årstrand, and Bertil Kågedal  
A NEW RAPID METHOD FOR ANALYSIS OF AHPs IN MELANIN
- PP034 **Alessandro Pezzella**, Lucia Panzella, Alessandra Napolitano, Orlando Crescenzi, Vincenzo Barone,  
Marco d'Ischia, Edward J. Land  
PULSE RADIOLYSIS DETECTION AND COMPUTATIONAL ANALYSIS OF QUINONES FROM 5,6-  
DIHYDROXYINDOLE DIMERS: IMPLICATION FOR EUMELANIN BUILD UP
- PP035 **G.N. Relyveld**, K.P. Dingemans, H.E. Menke, J.D. Bos and W. Westerhof  
ULTRASTRUCTURAL FINDINGS IN PROGRESSIVE MACULAR HYPOMELANOSIS INDICATE DECREASED  
MELANOSOME PRODUCTION BY MELANOCYTES
- PP036 Andrzej Zadło, Grzegorz Szewczyk, Mariusz Zareba, **Tadeusz Sarna**, Michele Henry and Janice Burke  
ANTIOXIDANT PROPERTIES OF PHOTOBLEACHED RPE MELANOSOMES
- PP037 **Schraermeyer Ulrich**, Kokkinou Despina  
INFLUENCE OF ZINC DEFICIENCY ON PIGMENTATION
- PP038 **John D. Simon**  
THE SURFACE OXIDATION POTENTIAL OF MELANOSOMES MEASURED BY FREE ELECTRON LASER  
PHOTOELECTRON EMISSION MICROSCOPY
- PP039 **Francisco Solano**, Diana Hernandez-Romero and Antonio Sanchez-Amat  
FURTHER INSIGHTS ON THE ACTIVE SITE OF TYROSINASES. A BACTERIAL TYROSINASE WITH HIGH  
TYROSINE HYDROXYLASE/DOPA OXIDASE RATIO
- PP040 **Tomoaki Takada**, Toshiharu Yamashita, Makito Sato, Akiko Sakemoto, Hidenobu Matsusaka, Ichiro  
Ono, Yasuaki Tamura, Noriyuki Sato, Akira Ito, Hiroyuki Honda, Kazumasa Wakamatsu, Shosuke Ito  
and Kowichi Jimbow  
REJECTION OF SECONDLY INOCULATED MELANOMA AND PROLONGATION OF LIFE SPAN OF  
MELANOMA-BEARING MICE BY MELANOGENESIS-TARGETED CHEMO-THERMO-IMMUNO (CTI)  
THERAPY USING NP<sub>r</sub>CAP-MAGNETITE NANOPARTICLES
- PP041 **Turpin, MC**, Jiménez-Cervantes, C and García-Borrón, JC  
THE SPECIFIC P38 MITOGEN-ACTIVATED PROTEIN KINASE INHIBITOR SB203580 STIMULATES  
MELANOGENESIS IN HUMAN MELANOMA CELLS
- PP042 **Weslyn Ward** and John Simon  
STRUCTURAL ANALYSIS OF SEPIA MELANINA EXTRACTION PRODUCTS BY LIQUID  
CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY
- PP043 **Steve Wilson**, Rebecca Ginger, Shubana Kazi, Richard Ogborne, Martin R. Green  
FUNCTIONAL CHARACTERISATION OF THE MEMBRANE ASSOCIATED TRANSPORT PROTEIN MATP –  
LOCALISATION AND ACTIVITY
- PP044 Sang-Hee Yang, Dong-Gun Kim, Jung-Hyun Shin and **Eun-Ki Kim**  
BINDING CHARACTERISTICS OF MITF (MICROPHthalmia-ASSOCIATED TRANSCRIPTION FACTOR)  
WITH PROMOTER DNA OF PIGMENTARY GENES
- PP045 **G. Zonios**, D. Galaris, I. Bassukas, A. Batistatou, A. Dimou  
OPTICAL PROPERTIES OF HUMAN SKIN MELANIN IN VIVO

PP046 **Thorsten Schweikardt**, Francisco Solano, Elmar Jaenicke, José Carlos García-Borrón, Heinz Decker  
LOSS OF MOUSE TYROSINASE ACTIVITY BY A MUTATION DESTABILIZING CuB

#### IV. **Animal Models of Pigmentary Disorders and Biological Resources**

PP047 Ycaza JE, **Bowers RR**  
ENZYMATIC ANALYSIS OF REDUCED LEVELS OF GLUTATHIONE CONTRIBUTING TO OXIDATIVE STRESS IN FOWL VITILIGO : FURTHER STUDIES

PP048 **Peter Heiduschka** and Ulrich Schraermeyer  
PIGMENTED AND ALBINO RATS SHOW DIFFERENT RESPONSE TO LIGHT AS STUDIED BY ELECTRORETINOGRAPHY AND VISUAL EVOKED POTENTIALS

PP049 **Angela-M Meyer zum Gottesberge**, Thomas Massing, Anja Lange, Silvia Palma, Paola Boldrini, Stefan Schäfer  
DIABETES TYPE 2 IN ZDF RATS CAUSES DAMAGE OF MELANOCYTES-LIKE INTERMEDIATE CELLS OF THE STRIA VASCULARES OF THE INNER EAR

PP050 **F. Rambow**, O. Malek, C. Geffrotin, J-J. Leplat, S. Bouet, V. Horak, G. Frelat, and S. Vincent-Naulleau  
THE MeLiM SWINE AS A SUITABLE MODEL TO ANALYZE MOLECULAR EVENTS INVOLVED IN REGRESSION OF CUTANEOUS MELANOMA

#### V. **Signalling Pathways in melanocytes and melanoma cells**

PP052 **Olivier Bailet**, Cédric Gaggioli, Patricia Abbe, Guillaume Robert, Robert Ballotti, Marcel Deckert and Sophie Tartare-Deckert  
SYK IS EPIGENETICALLY INACTIVATED AND EXHIBITS TUMOR-SUPPRESSIVE ACTIVITY IN HUMAN MELANOMA CELLS

PP053 Hilmi C, Deckert M, Larribère L, Bille K, Ballotti R. and **Bertolotto C**  
IGF-1 MEDIATES PROTECTION AGAINST TRAIL-INDUCED APOPTOSIS IN MELANOMA CELLS THROUGH A PI3K/AKT/FOXO3A-DEPENDENT PATHWAY

PP054 **Nicolas Dumaz**, Armand Bensussan and Richard Marais  
IN MELANOMA RAS MUTATIONS ARE ACCOMPANIED BY SWITCHING SIGNALLING FROM BRAF TO CRAF AND DISRUPTED CAMP SIGNALLING

PP055 **Vanessa C. Gray-Schopfer**, Maria Karasarides, Robert Hayward and Richard Marais  
TNF BLOCKS APOPTOSIS IN MELANOMA CELLS WHEN BRAF SIGNALLING IS INHIBITED

PP056 Zanna P, **Guida G**, Susca F, Danisi C, Lattanzi V, Maida I, Vena GA, Filotico R, Maria del Carmen Turpin, Jimenez-Cervantes C, Garcia-Borrón JC, Cicero R.  
MOLECULAR AND FUNCTIONAL ANALYSIS OF MC1R RECEPTOR IN MALIGNANT MELANOMA

PP057 **Genji Imokawa**, Ken Futaki, Yusuke Furukawa, Mamitaro Ohtsuki, Hidemi Nakagawa  
HISTONE DEACETYLASE INHIBITOR, FK228 TRIGGERS MITF LEADING TO G1 ARREST/APOPTOSIS VIA DOWN- AND UP-REGULATION OF CDK2 AND P21 IN HUMAN MALIGNANT MELANOMA CELLS

PP058 **Krassimira Ivanova**, Britta Lambers, Christiane Stieber, Ingrid Block, Pranab K. Das and Rupert Gerzer  
HYPERGRAVITY DIFFERENTIALLY MODULATES THE EXPRESSION OF MULTIDRUG RESISTANCE PROTEINS IN HUMAN MELANOCYTIC CELLS

PP059 Berta Lopez Sanchez-Laorden, Jose C Garcia-Borrón and **Celia Jimenez-Cervantes**  
A NEW SPLICE-VARIANT OF -ARRESTIN 2 IS INVOLVED IN AGONIST-INDUCED MC1R ENDOCYTOSIS

- PP060 **Tsuneyoshi Kamo**, Yoko Funasaka, Chikako Nishigori  
THE EXPRESSIONS OF MELANOSOME ASSOCIATED RABS ARE UPREGULATED IN MELANOCYTES BUT DOWNREGULATED IN NEVUS CELLS BY MSH
- PP061 **Jin-Hee Kim**, Seung-Hwa Baek, Eun-Sook Yoo and Choong-Hwan Lee  
DOWN-REGULATION OF MELANIN SYNTHESIS BY MB302 AND ITS MECHANISM
- PP062 **R. K. Martin**, A.J. Thody and T. R. Jackson.  
CENTAURIN 4, A REGULATOR OF CELL INVASION AND METASTASIS, HAS NOVEL ISOFORMS IN HUMAN MELANOMA CELL LINES
- PP063 Delphine Javelaud, Khalid S. Mohammad, Christopher R. McKenna, Maria Niewolna, Jocelyne André, Véronique Delmas, Lionel Larue, Theresa A. Guise, and **Alain Mauviel**  
Stable Overexpression of Smad7 in Human Melanoma Cells Inhibits Bone Metastasis in vivo
- PP064 **Morandini Renato**, Süli-Vargha Helga, Szabo Rita, Ghanem Ghanem  
CELL AGGREGATION AS A POSSIBLE ESCAPE MECHANISM FROM RGD PEPTIDE-INDUCED APOPTOSIS IN MELANOMA CELLS
- PP065 **D W Roberts**, R A Newton, J. H Leonard and R A Sturm  
FUNCTIONAL STUDIES OF MC1R IN HUMAN MELANOCYTE-KERATINOCYTE COCULTURES
- PP066 **Mercedes Rodriguez** and Colin R. Goding  
ROLE OF T-BOX FACTORS DURING MELANOMA PROGRESSION
- PP067 **Petra Larsson**, Cecilia Bivik, Katarina Kägedal, Inger Rosdahl, Karin Öllinger  
UVA/B IRRADIATION CAUSES TRANSLOCATION OF BCL-2 FAMILY PROTEINS IN BOTH APOPTOTIC AND SURVIVING MELANOCYTES
- PP068 **Nico Smit**, Fred Romijn, Margo van Schie, Marja Kersbergen, Lester Davids, Stan Pavel and Hans van Pelt  
CYTOKINE PRODUCTION IN MELANOCYTES
- PP069 **Aaron G Smith**, Darren J Smit, Richard A Sturm and George EO Muscat  
ANTI-PROLIFERATIVE EFFECTS OF PPAR AGONISTS ON MELANOMA CELLS ARE MEDIATED IN PART BY MODULATION OF -CATENIN FUNCTION
- PP070 **Kenji Yanagisawa**, Kowichi Jimbow, Hideo Kanoh and Fumio Sakane  
DIACYLGLYCEROL KINASE ALPHA SUPPRESSES TNF-ALPHA-INDUCED APOPTOSIS OF HUMAN MELANOMA CELLS THROUGH ACTIVATION OF NF-KAPPA B
- PP072 **Zanna, P**, Sanchez-Laorden, B, Perez-Oliva, AB, Jimenez-Cervantes, C, Garcia-Borrón, JC  
MECHANISMS OF DIMERIZATION OF THE HUMAN MELANOCORTIN 1 RECEPTOR

## VI. **Trafficking and transfer of melanosomes**

- PP073 **Boon-Kee Goh, Karolien Van Den Bossche**, Veerle Van Marck, Marc Bracke, Jo Lambert, Cheng-Leng Kee, S P W Kumarasinghe, Jean Marie Naeyaert  
INHIBITION OF SERCA2 DISRUPTS MELANOSOME TRANSFER TO HUMAN KERATINOCYTES – INSIGHT INTO THE PATHOMECHANISM OF GUTTATE LEUCODERMA IN DARIER'S DISEASE
- PP074 **Sylvie Julien**, Norbert Kociok, Florian Kreppel, Veronica Brito, Swaantje Peters, Sigrid Henke-Fahle, Petra Blitgen-Heinecke, Despina Kokkinou, Karl-Ulrich Bartz-Schmidt, Stefan Kochanek, Ulrich Schraermeyer  
TYROSINASE BIOSYNTHESIS AND TRAFFICKING IN ADULT RETINAL PIGMENT EPITHELIAL CELLS
- PP075 **Karolien Van Den Bossche**, Mireille Van Gele, Jo Lambert, Jean Marie Naeyaert, Vincent Hearing  
MELANOCYTE-KERATINOCYTE ADHESION FACILITATES MELANIN TRANSFER

## VII. **Human Pigmentary disorders I: vitiligo**

- PP076 **A Overbeck**, IC le Poole  
COMBINING EPIDERMAL BLISTER GRAFTS AND EARLY UVB NB AND LASER STIMULATION: A POSSIBLE WAY TO PIGMENT SEGMENTAL VITILIGO AND RESISTANT AREAS LIKE HANDS IN SYMMETRICAL VITILIGO (CASE PRESENTATION)

## VIII. **Human Pigmentary disorders II: albinism**

- PP077 **Robert Aquaron** and Catherine Badens  
MUTATIONS IN TYROSINASE GENE OF ALGERIAN, CAMEROONIAN, INDIAN AND MOROCCAN PATIENTS WITH OCULOCUTANEOUS ALBINISM TYPE IA(OCA1A)
- PP078 Victoria Tovar, **Esther Zurita**, Marta Cantero, Juan Jose Lazcano, Rima Barhoum, Pedro de la Villa, Lluís Montoliu  
ELECTROPHYSIOLOGICAL AND HISTOLOGICAL ANALYSIS OF PHOTORECEPTOR CELLS IN ALBINO TYROSINE HYDROXYLASE TRANSGENIC MICE

## IX. **Melanoma and nevi**

- PP079 **Aguilera P**, Romero D, Guilabert A, Julia M, Vicente A, Gonzalez MA, Kolm I, Malveyh J, Puig S.  
CLINICAL AND DERMOSCOPIC CHARACTERISTICS OF NEVI IN SPANISH CHILDREN AND THEIR RELATIONSHIP WITH ENVIRONMENTAL AND CONSTITUTIONAL FACTORS
- PP080 **Boyano MD**, Alonso S, Ortega I, Arroyo J, Izagirre N, Gardeazabal J, Andollo N, García de Galdeano A, Díaz-Ramón JL, Jangi SM, de la Rúa C, Díaz-Pérez JL  
ATM AND P53 GENE EXPRESSION INVOLVED IN THE PATHOGENESIS OF HUMAN MELANOMA
- PP081 **Ken Futaki**, Yusuke Furukawa, Mamitaro Ohtsuki, Hidemi Nakagawa, Hiroshi Murata, Minoru Takata, Toshiaki Saida, Genji Imokawa  
ACRAL MELANOMA CELL LINE HAS A HIGH RESISTANCE AGAINST APOPTOSIS INDUCED BY HISTONE DEACETYLASE INHIBITOR (HDACi), FK228, DUE TO ITS DOWN-REGULATED BAX EXPRESSION
- PP082 **Kolm I**, Cuellar F, Puig-Butillé JA, Ogbah Z, Badenas C, Milà M, Martí R, Malveyh J, Puig S  
THE ROLE OF CDKN2A AND CDK4 IN SPANISH MELANOMA FAMILIES
- PP083 **Z. Ogbah**, J.A. Puig-Butille, C. Badenas, J. Malveyh, M.Milà, S. Puig  
MUTATIONAL STATUS OF B-RAF AND N-RAS IN FRESH MELANOMAS
- PP084 **Akiko Sakemoto**, Yasuaki Tamura, Noriyuki Sato, Toshiharu Yamashita, Tomoaki Takada, Makito Sato, Masae Ohkura, Ichiro Ono, Akira Ito, Hiroyuki Honda, Kazumasa Wakamatsu, Shosuke Ito and Kowichi Jimbow  
CHARACTERIZATION OF TUMOR IMMUNITY IN MELANOMA CHEMO-THERMO-IMMUNOTHERAPY (CTI THERAPY) USING NPrCAP-MAGNETITE (NPrCAP/M) NANO-PARTICLES
- PP085 **E.-M. Schnäker**, T. Gorge, T. A. Luger, M. Steinhoff and S.W. Schneider  
MELANOMA EPITHELIAL CELL INTERACTION STIMULATES LOCALIZED MMP2 SECRETION
- PP086 M. Stark, **J.A. Puig-Butille**, G. Walker, C. Badenas, J. Malveyh, N. Hayward, S. Puig  
MUTATION OF THE TUMOUR SUPPRESSOR P33ING1B IS RARE IN MELANOMA
- PP087 Danielle Parriaux, Alain Vérine, Dominique Lombardo and **Patrick Verrando**  
ORGANIC ANION TRANSPORTING POLYPEPTIDES EXPRESSION IN MELANOCYTIC CELLS AND RELATIONS WITH VASCULOGENIC MIMICRY IN AGGRESSIVE MELANOMA CELLS
- PP088 **Jan Borovansky**, Adéla Lipsová, Jiri Vachtenheim  
FREE RADICAL SITUATION IN MELANOMA CULTURES

## X. **Clinical aspects of melanoma**

- PP089 **Francisco Cuellar**, Celia Badenas, Joan Puig-Butille, Rosa Martí, Pedro Zaballos, Josep Malvehy, Susana Puig  
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