

ESPCR 2025 Poster Presentations

Number	Titel	Authors
1	Comparative genomics reveals evolutionary diversification of tyrosinase genes	Julia Steinbinder, Attila Placido Sachslehner, Corina Dörner, Kris Vleminckx, Leopold Eckhart
2	Exogenous Ochronosis by Hydroquinone is not caused by Inhibition of Homogentisate Dioxygenase but potentially by Tyrosinase-catalyzed Metabolism of Hydroquinone	Shosuke Ito, Ludger Kolbe, Gudrun Weets, Tamara Rogers, Caroline Bushdid, Tomoko Nishimaki-Mogami, Hitomi Tanaka, Thierry Passeron, Makoto Ojika, Kazumasa Wakamatsu
3	Genetic control over biogenic crystal morphogenesis in zebrafish	Rachael Deis, Tali Lerer-Goldshtein, Olha Baiko, Zohar Eyal, Dolev Brenman-Begin, Moshe Goldsmith, Sylvia Kaufmann, Uwe Heinig, Yonghui Dong, Sofya Lushchekina, Neta Varsano, Tsviya Olender, Meital Kupervaser, Ziv Porat, Smadar Levin-Zaidman, Iddo Pinkas, Rita Mateus, Dvir Gur
4	Lysosome-Related Organelles Orchestrate Guanine Crystal Formation in Pigment Cells	Anna Gorelick-Ashkenazi, Yuval Barzilay, Tali Lerer-Goldshtein, Tsviya Olender, Zohar Eyal, May Glaser, Yonatan Broder, Nadav Mishol, Rachael Deis, Merav Kedmi, Dvir Gur
5	Regulation of melanin secretion and transfer by a novel Rab cascade	Luís C. Cabaço, Inês Fonseca, Miguel C. Seabra, Duarte C. Barral
6	Uncovering the effect of ultraviolet radiation on melanin processing in keratinocytes	Inês Fonseca, Luís Cabaço, João Charneca, Duarte Barral
7	Liquid Crystal-like Organization of Pteridines in Zebrafish Xantholeucophores	Sourabh Bera, Zohar Eyal, Yael Noy, Yuval Barzilay, Tali Lerer-Goldshtein, Ziv Porat, Uwe Heinig, LOTHAR HOUBEN, Iddo Pinkas, Dvir Gur
8	pH Variations Enable Guanine Crystal Formation within Iridosomes	Zohar Eyal, Rachael Deis, Gorelick-Ashkenazi Anna, Yuval Barzilay, Yonatan Broder, Asher Perry Kellum, Neta Varsano, Michal Hartstein, Andrea Sorrentino, Ron Rotkopf,

		Ifat Kaplan-Ashiri, Katya Rechav, Rebecca Metzler, Lothar Houben, Leeor Kronik, Peter Rez, Dvir Gur
9	UVB-induced endolysosomal and cytoskeletal remodeling for pigment organelle-based photoprotection in keratinocytes	Myckaëla ROUABAH, Laura SALAVESSA, Etienne Morel, Cédric DELEVOYE
10	Stretch systems to explore mechanoregulation across the melanocytic lineage	Johan Rott, Sarah Woolner, Kerrie Marie
11	Dark messengers: how melanocytes educate keratinocytes to support melanoma progression	Facundo García Barberá, Graça Raposo, Maryse Romao, Mathilde Di Marco
12	Acral Melanoma Revisited: In-Depth Characterization and Emerging Therapeutic Targets	Flavia C. Aguiar, Luiza Martins Nascentes Melo, Jonas Rösler, Gabriele Allies, Istefani L. D. da Silva, Sara S. Bernardes, Jadivan Leite, Aretha Nobre, David J. Adams, Daniela C. Robles-Espinoza, Dirk Schadendorf, Patricia A. Possik, Alpaslan Tasdogan
13	Clinical and histopathological characteristics of melanomas in Asians under age 40	Hee Joo Yang, Jo Yoon-Seo, Young Jae Kim, Hyoungmin Na, Sung Eun Chang, Jin Sup Eom, Yong Sang Hong, Wanlim Kim, Dae Ho Lee, Mi Woo Lee, Woo Jin Lee, Jong-Seok Lee, Chong Hyun Won, Youngkyoung Lim
14	Coexpression analysis of melanoma cell lines showing the putative impact of mutational status on gene expression and distinct phenotypes in tumorous cells	Stefan Fischer, Alexander Matthies, Zubeir El Ahmad, Anja Bosserhoff, Melanie Kappelmann-Fenzl
15	MGRN1 effects on melanoma cell proliferation may be linked to regulation of CDK2 intracellular stability	José Sánchez-Beltrán, Marta Martínez-Santa, Idoya Martínez-Vicente, Celia Jiménez-Cervantes, José Carlos García-Borrón
16	Factors secreted by adipocytes promote tumorigenicity of melanoma cells	Bent Starke, Anja Bosserhoff, Claus Hellerbrand
17	Septin assembly is essential for store-operated calcium entry in human cutaneous melanoma	Krisztián Balogh, János Fodor, Minh Ngoc Nguyen, Lili Fruzsina Balogh, Emese Huber, Róza Zákány, Csaba Matta, László Szabó, Beatrix Dienes, László Csernoch, Szilárd Pólska, Roland Takács, Tibor Hajdu
18	Integrative epigenetic and spatial mapping of melanoma development in large congenital melanocytic nevus	Daniel ALDEA, Israa Fakh, Nicolas Macagno,

		Mathias Moreno, Anne Barlier, Heather Etchevers
19	Epitranscriptomic regulation in human melanoma progression	Joane Del Olmo Sanz, Cristina Penas Lago, Lucía Pérez Benítez, María Dolores Boyano López, Shira Knafo, Magdalena Natalia Wojtas
20	Pinin: A regulator of alternative splicing and oncogenic driver in malignant melanoma	Lisa Linck-Paulus, Julia Welzer, Tina Meißgeier and Anja K. Bosserhoff
21	A potential role of MGRN1 in focal adhesion dynamics regulation and melanoma cell migration	Sonia Cerdido, María Castejón-Griñán, José Carlos García-Borrón, Celia Jiménez-Cervantes, Cecilia Herraiz
22	An MGRN1-based 4g-signature for personalized clinical management of low-grade melanoma patients	José Sánchez-Beltrán, Fernando Perez-Sanz, Marta Martínez-Santa, Pablo Cerezuela-Fuentes, José Carlos García-Borrón, Celia Jiménez-Cervantes
23	Dissecting aryl hydrocarbon receptor (AHR) induced metabolic vulnerabilities in metastatic melanoma	Feyza Cansiz, Luiza Martins Nascentes Melo, Gabriele Allies, Jonas Rösler, Nina Lapa, Christiane Opitz, Ahmed Sadik, Dirk Schadendorf, Alpaslan Tasdogan
24	Identifying Gene Expression Signatures in Primary Uveal Melanoma to Predict Metastases Risk and Survival Outcomes	Elias Koch, Monika Morak, Paul Foerster, Friedrich Caroli, Alejandro Afonso Castro, Christina Schmitt, Waltraud Froehlich, Claudia Kammerbauer, Lars E. French, Elisabeth Messmer, Julio Vera-Gonzalez, Lucie Heinzerling
25	Modelling a migratory, non-proliferative cell state by bioprinting for the molecular analysis of dormancy in malignant melanoma	Sonja K. Schmidt, Stefan Fischer, Zubeir El Ahmad, Rafael Schmid, Eric Metzger, Roland Schüle, Claus Hellerbrand, Andreas Arkudas, Annika Kengelbach-Weigand, Melanie Kappelmann-Fenzl, Anja Bosserhoff
26	Targeting melanin secretion to impair cutaneous melanoma progression	Cristina Demelas, Ricardo Veiga, Jacinta Serpa, Duarte Barral
27	More than a Dimer? Uncovering a fibrillar form of MIA/CD-RAP that fuels melanoma progression	Sebastian Stäbler, Mayhar Damardeh,

		Vahid Sandoghdar, Anja Bosserhoff
28	The metabolic role of miR-101-3p in malignant melanoma	Silvan Beck, Lisa Lämmerhirt, Melanie Kappelmann-Fenzl, Paula Meier, Anja Boßerhoff
29	Metabolic plasticity is essential for efficient metastatic colonization	Ece Grace, Deyu Zou, Alpaslan Tasdogan, Marc Stemmler, Thomas Brabletz
30	Antisense oligonucleotides: an innovative strategy to target non-coding RNAs and tackle BRAF inhibitor resistance in metastatic melanoma	Elfie PERRUDIN, Nina TARDIF, YANIS SI AHMED, Diane SCHAUSI, Laura BACHELOT, Rose- Marie FRABOULET, Yuna BLUM, Sébastien CORRE, MARIE- DOMINIQUE GALIBERT
31	Enhanced Targeted Therapy of Human Melanoma via Melatonin Co-treatment	Agnieszka Wolnicka-Glubisz, Laura Polisenio, Meri K. Tulic, Konrad Kleszczynski
32	Terahertz Biosensors as Promising Diagnostic Tool for Biomarker Detection	Yannik Loth, Merle Richter, Nicole Rachinger, Dominik Schaar, Christian Weisenstein, Anna Katharina Wigger, Anja Katrín Bosserhoff, Peter Haring Bolívar
33	HDAC2 Loss Reprograms the Melanoma Microenvironment to Re-sensitise Tumours to Immunotherapy	Rotem Leshem, Kerrie Marie, Vishaka Gopalan
34	Unveiling Non-Coding Regulatory Driver Mutations in Metastatic Melanoma Through Allele-Specific Transcription Factor Footprinting	Jessica Hacheney, David Van Bruggen, Muyi Yang, Suzanne Egyhazi Brage, Hildur Helgadóttir, Martin Enge