


[Welcome](#)
[Program](#)
[Registration](#)
[Hotel & Venue](#)
[Travel](#)
[Sponsors & Exhibitors](#)

## IPCC2017 | PROGRAM-AT-A-GLANCE | DAY 4

[SAT AUG 26](#)
[SUN AUG 27 | DAY 1](#)
[MON AUG 28 | DAY 2](#)
[TUES AUG 29 | DAY 3](#)
[WED AUG 30 | DAY 4](#)
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DIGITAL  
PROGRAM](#)

### WEDNESDAY AUGUST 30 | DAY 4

*Program subject to change - check the app for the most current updates.*

TIME	MEETING ROOM	SESSION
8:00am - 2:00pm	South Convention Lobby	Registration Open
8:00am - 10:00am	Grand Ballroom II	<p><b>PS07. Regenerative Medicine and the Skin</b>  <i>This plenary session will present state of the art advances in skin regenerative medicine with a view to promoting the next generation of approaches that incorporate pigmentation and hair follicles.</i></p> <p>Session Chairs: Lukas Sommer, Thomas Hornyak, Emi Nishimura</p> <ul style="list-style-type: none"> <li>Melanocyte stem cells in eccrine sweat glands: a potential origin of acral melanoma [30 mins]  <i>Speaker: Emi Nishimura</i></li> <li>Developing induced pluripotent stem (iPS) cell-based therapy for inherited skin diseases [30 mins]  <i>Keynote Speaker: Dennis Roop</i></li> <li>3D bioprinting of functional human skin [30 mins]  <i>Speaker: Jose Jorcano Noval</i></li> <li>Driving skin-specific stem cell migration via GPS [30 mins]  <i>Speaker: Robert Sackstein</i></li> </ul>
10:30am - 11:00am	Tower Foyer	REFRESHMENT BREAK
10:30am - 12:45am	Grand Ballroom II	<p><b>PS08. Melanocytes, Melanoma Cells and the Immune System</b>  <i>This plenary session will address the impact of the immune system on the regulation of melanocyte function and on the transformation to melanoma.</i></p> <p>Session Chairs: Caroline Le Poole, Robert Andtbacka</p> <ul style="list-style-type: none"> <li>The T cell-inflamed phenotype as a model toward harnessing combination immunotherapy and the microbiome in advanced melanoma [30 mins]  <i>Speaker: Jason Luke</i></li> <li>Long-lived memory TH17 cells mediate potent immunity to self and tumor tissue [30 mins]  <i>Speaker: Chrystal Paulos</i></li> <li>Translational research in vitiligo: launching a new era of targeted treatments [30 mins]  <i>Speaker: John Harris</i></li> <li>Mechanism of action of 4-substituted phenols to induce vitiligo and their potential as anti-melanoma agents [20 mins]  <i>Rosalie Luiten</i></li> <li>IL-37 is highly expressed in T cells in melanoma patients and directly suppresses CD4+ T cell activation [10 mins]  <i>Douglas Osbourne</i></li> <li>Vitiligo-like lesions occurring in patients receiving anti-programmed cell death-1 therapies [10 mins]</li> </ul>

		<i>Julien Seneschal</i>
12:30am - 2:00pm	Windows	LUNCH
2:00pm - 3:30pm	Tower Court D	<p><b>Concurrent Sessions 29-32</b></p> <p><b>CS29. Melanosome: Biogenesis and Transfer</b>  <i>This session will address the molecular and cellular biology of melanosome formation, maturation, transport and transfer to keratinocytes.</i></p> <p>Session Chairs: Esteban Dell'Angelica, Subba Rao Gangi Setty, Graca Raposo, Santiago di Pietro</p> <ul style="list-style-type: none"> <li>• Rab22A interacts with BLOC-1 and -2 and regulates the formation of recycling endosomes [20 mins]  <i>Speaker: Subba Rao Gangi Setty</i></li> <li>• Physiopathology of human pigmentation : The biogenesis of pigment granules and intercellular communication in the skin [20 mins]  <i>Speaker: Graca Raposo</i></li> <li>• Two-pore channel 2 (TPC2) regulates the biogenesis and function of the melanosome [10 mins]  <i>Speaker: Santiago di Pietro</i></li> <li>• Systematic analysis of melanosomes in skin of different color phenotypes reveals melanocore cluster reservoirs in keratinocytes [10 mins]  <i>Christine Duval</i></li> <li>• Melanin resides in mildly acidic and degradative compartments and resists degradation within keratinocytes [10 mins]  <i>Hugo Moreiras</i></li> <li>• Myosin VI and actin dynamics control membrane recycling from melanosomes: a step required for their maturation and function [10 mins]  <i>Cédric Delevoye</i></li> <li>• Calcium influx in human melanocytes via TRPM1 triggers melanosome transfer: differences in responses to UVA or UVB irradiation [10 mins]  <i>Tiechi Lei</i></li> </ul>
	Tower Court A	<p><b>CS30. Melanocytes and Their Niches</b>  <i>This session will address the diverse locations of melanocytes and other pigment cells, and the special characteristics of their niches.</i></p> <p>Session Chairs: Deborah Lang, Bernhard Wehrle-Haller</p> <ul style="list-style-type: none"> <li>• Analysis of the cross-talk between mechanically activated c-kit and integrin-dependent adhesion in the environmental niche [20 mins]  <i>Speaker: Bernhard Wehrle-Haller</i></li> <li>• Melanoma miRNA trafficking controls tumour primary niche formation [20 mins]  <i>Speaker: Shani Dror</i></li> <li>• Kit signaling seems to work redundantly in melanocytes [20 mins]  <i>Speaker: Takahiro Kunisada</i></li> <li>• Role of Brn2 in melanocyte lineage renewal after genotoxic stress [10 mins]  <i>Madeleine Le Coz</i></li> <li>• Myosin-X is required for efficient melanoblast migration and melanoma initiation/metastasis [10 mins]  <i>Hiroshi Tokuo</i></li> <li>• Contribution of multiple MITF gene family members to RPE development in zebrafish [10 mins]  <i>James Lister</i></li> </ul>
	Tower Court C	<p><b>CS31. Strategies in Skin Lightening</b>  <i>This session will address existing and emerging techniques for skin lightening.</i></p> <p>Session Chairs: Sidharth Sonthalia, Flora Xiang, Yoko Funasaka</p> <ul style="list-style-type: none"> <li>• Photomodulation effect of light-emitting diode on the characteristics of human melanocytes [20 mins]  <i>Speaker: Flora Xiang</i></li> <li>• Whitening agents: basics and therapeutics [20 mins]  <i>Speaker: Yoko Funasaka</i></li> <li>• Isobutylamido thiazolyl resorcinol a new powerful inhibitor of human tyrosinase [20 mins]  <i>Speaker: Ludger Kolbe</i></li> </ul>

		<ul style="list-style-type: none"> <li>• Interactions between melanocytes and neighboring cells: the contribution of fibroblasts to the ethyl linoleate-induced inhibition of melanogenesis [10 mins] <i>Mariko Yokota</i></li> <li>• QuantiGene Plex Analysis for Optimized Screening and Development of Skin Whitening Active Ingredients [10 mins] <i>Jie Qiu</i></li> <li>• Glucosamine may abrogate SCF+EDN1 stimulated melanogenesis via a decrease in MITF expression due to O-GlcNAcylation-affected transcriptional activity of CREB [10 mins] <i>Genji Imokawa</i></li> </ul>
	Grand Ballroom II	<p><b>CS32. Melanoma: Mechanisms of Resistance</b> <i>This session will address mechanisms of resistance to targeted and combination therapies, checkpoint inhibitions, vaccines, and other immunotherapies.</i></p> <p>Session Chair: Keiran Smalley, Chuan-Yuan Li</p> <ul style="list-style-type: none"> <li>• Oncogenic reprogramming of human primary melanocytes into potent tumor initiation cells [20 mins] <i>Speaker: Chuan-Yuan Li</i></li> <li>• Therapeutic resistance in Melanoma [20 mins] <i>Speaker: Roger Lo</i></li> <li>• New Compounds Triggering Endoplasmic Reticulum Stress Exert Anti-Melanoma Effects and Overcome BRAF Inhibitor Resistance [20 mins] <i>Speaker: Stephane Rocchi</i></li> <li>• A potential role of NLRP1 in resistance to drug therapies (temozolomide, vemurafenib and trametinib) in human melanoma [10 mins] <i>Zili Zhai</i></li> <li>• Serine 729 facilitates homodimerization and substrate affinity of BRAF splice variants [10 mins] <i>Michael Vido</i></li> <li>• Targeting MCL-1 and BCL-2 to Overcome Resistance to Current Therapy in Melanoma [10 mins] <i>Nabanita Mukherjee</i></li> </ul>
3:30pm - 4:00pm	Tower Foyer	REFRESHMENT BREAK
4:00pm - 5:00pm	Grand Ballroom II	<p><b>Closing Session</b></p> <p>Chair: David Norris</p> <ul style="list-style-type: none"> <li>• 4:00pm - 4:15pm: Fitzpatrick Lecture - Wnt-er is coming: Wnt5A promotes a slow cycling phenotype via p53 in conditions of stress <i>Marie Webster</i></li> <li>• 4:15pm - 4:45pm: Seiji Memorial Lecture - Chemistry of Melanogenesis and Mechanism of Rhododendrol-induced Leukoderma <i>Emeritus Shosuke Ito, Fujita Health University School of Health Sciences</i></li> <li>• 4:45pm - 5:00pm: Closing Remarks</li> </ul>