

The Australasian Society for Dermatology Research (ASDR) would like to thank the following sponsors for their support of this event:

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Tuesday, 9th May 2017

REGISTRATION

7:45AM - 8:30AM

Pre-Function Area

WELCOME

8:30AM - 8:35AM

Port Jackson Room

PLENARY

8:35AM - 9:15AM

Port Jackson Room

Chair: Joseph Rothnagel

8:35 AM

Anthony S Weiss

Tropoelastin as a high value component that enhances tissue vascularization and repair

abs# 1

This session acknowledges the support of



SESSION 1 - SKIN IMMUNOLOGY

9:15AM - 10:30AM

Port Jackson Room

Chairs: James Wells & Scott Byrne

9:15 AM

Wolfgang Weninger

Role of perivascular macrophages in inflammation and carcinogenesis

abs# 2

9:40 AM

Scott Byrne

Treating UV-induced skin cancer by targeting B cells

abs# 3

10:05 AM

James W Wells

The role of rapamycin in the reduction of de novo squamous cell carcinoma establishment

abs# 4

This session acknowledges the support of



MORNING TEA & POSTER VIEWING

10:30AM - 11:00AM

Poster listing on page 8

Pre-Function Area

The poster session acknowledges the support of



SESSION 2 – MELANOCYTE & MELANOMA BIOLOGY

11:00AM - 12:30PM

Port Jackson Room

Chairs: Arash Chitsazan & Glen Boyle

- 11:00 AM **Nikolas Haass**
MITF regulates dynamic melanoma heterogeneity *abs# 5*
- 11:25 AM **Richard Sturm**
Combined genetic and cellular analysis of naevogenesis *abs# 6*
- 11:50 AM **Aaron Smith**
BRN2 co-ordinates switching of melanoma cells to an invasive phenotype to promote metastasis and metabolic adaptation to micro-environmental cues *abs# 7*
- 12:10 PM **Arash Chitsazan**
The Cdon-Shh-Edn1 axis exacerbates naevogenesis in a cell extrinsic manner *abs# 8*

This session acknowledges the support of



LUNCH

12:30PM - 1:30PM

Restaurant

SESSION 3 – CUTANEOUS BIOLOGY

1:30PM - 3:05PM

Port Jackson Room

Chairs: Oliver Dreesen & Samantha Stehbens

- 1:30 PM **Annemiek Beverdam**
YAP promotes WNT16/ β -catenin signalling to drive keratinocyte proliferation in skin regeneration *abs# 9*
- 1:55 PM **Ali Azimi**
Differential proteomic analysis of actinic keratosis, Bowen's disease and cutaneous squamous cell carcinoma by label-free LC-MS/MS *abs# 10*
- 2:10 PM **Samantha Stehbens**
Understanding how dynamic microtubules regulate cell migration by targeted exocytosis at cell-matrix adhesions *abs# 11*
- 2:30 PM **Mika Murai**
An endogenous tryptophan photo-product, FICZ, is potentially integrated in photo-aging by reducing TGF- β -induced collagen maintenance *abs# 12*
- 2:45 PM **Veronica Mendoza-Reinoso**
The mechanosensor YAP drives cutaneous type 2 inflammation and eczema development *abs# 13*

This session acknowledges the support of



AFTERNOON TEA & POSTER VIEWING

3:05PM - 3:45PM

Poster listing on page 8

Pre-Function Area

The poster session acknowledges the support of



SESSION 4 – STEM CELLS, REGENERATION & WOUND HEALING

3:45PM - 5:00PM

Port Jackson Room

Chairs: Annemiek Beverdam & Stuart Mills

- | | | |
|---------|---------------------------------------------------------------------------------------------------------------------------------|----------------|
| 3:45 PM | Oliver Dreesen
Identification of a novel marker for cellular senescence | <i>abs# 14</i> |
| 4:15 PM | Stuart Mills
Flightless regulation of TLR signalling affects inflammation and wound healing | <i>abs# 15</i> |
| 4:40 PM | Edwige Roy
Bimodal behaviour of interfollicular epidermal progenitors regulated by hair follicle position and cycling | <i>abs# 16</i> |

This session acknowledges the support of



DINNER AT BODEGA TAPAS BAR

7:00PM - 11:00PM

Address: 216 Commonwealth St - Surry Hills NSW 2010
(15 minutes walk from the conference venue)

Cost: \$75 per person

Please note: Pre-reservation is compulsory

Wednesday, 10th May 2017

REGISTRATION

8:30AM - 9:00AM

Pre-Function Area

SESSION 5 - SKIN CANCERS

9:00AM - 10:30AM

Port Jackson Room

Chairs: Nikolas Haass & Edwige Roy

- 9:00 AM **Cheng-Che E Lan**
Impact of photon density on UVB photocarcinogenesis *abs# 17*
- 9:30 AM **Glen M Boyle**
Yin and Yang: Consequences of heterogeneous transcription factor expression in melanoma *abs# 18*
- 9:55 AM **Edwige Roy**
Epidermal clonal proliferative response upon UVB irradiation is bimodal *abs# 19*
- 10:10 AM **Cathy Zhao**
The incidence of basal cell carcinoma, but not cutaneous squamous cell carcinoma is reduced in patients on anti-Programmed cell death-1 therapy for metastatic melanoma *abs# 20*

This session acknowledges the support of



MORNING TEA & POSTER VIEWING

10:30AM - 11:00 AM

Poster listing on page 8

Pre-Function Area

The poster session acknowledges the support of



SESSION 6 - MELANOMA

11:00AM - 12:30PM

Port Jackson Room

Chairs: Aaron Smith & Cheng-Che Lan

- 11:00 AM **Graham Mann**
Insights from the Australian Melanoma Genome Project *abs# 21*
- 11:25 AM **Helmut Schaider**
Stress induced epigenetic remodelling as a mechanism of adaptive resistance in melanoma *abs# 22*
- 11:50 AM **Pablo Fernandez-Penas**
Understanding pathways, the clinician view *abs# 23*
- 12:15 PM **Heinz Hammerlindl**
Activation of the AMP-activated protein kinase (AMPK) inhibits therapy induced epigenetic remodelling and acquired drug resistance in melanoma *abs# 24*

This session acknowledges the support of



LUNCH

12:30PM - 1:45PM

Restaurant

ASDR BOARD LUNCH & MEETING

12:45PM - 1:45PM

Port Jackson Room

This meeting acknowledges the support of



SESSION 7 - SKIN DISORDERS

1:45PM - 3:15PM

Port Jackson Room

Chair: Dedee Murrell & Riichiro Abe

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|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 1:45 PM | Riichiro Abe
Pathomechanism of severe adverse drug reaction: Bench to Bedside | <i>abs# 25</i> |
| 2:15 PM | Dedee Murrell
The role of inflammation in epidermolysis bullosa, its contribution to carcinogenesis and other complications and novel anti-inflammatory therapies | <i>abs# 26</i> |
| 2:40 PM | Greg Licholai
Diacerein orphan drug development for epidermolysis bullosa simplex: A phase 2 randomised, placebo-controlled, double-blind clinical trial | <i>abs# 27</i> |
| 2:55 PM | Miko Yamada
Elongated Silica microparticles enhanced delivery of tailorable nanoemulsion as a potential platform for transdermal drug delivery confirmed by Coherent Anti-stoke Raman Spectroscopy | <i>abs# 28</i> |

This session acknowledges the support of



AFTERNOON TEA & POSTER VIEWING

3:15PM - 3:45PM

Poster listing on page 8

Pre-Function Area

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SESSION 8 – HOT TOPICS IN IMMUNOLOGY & MELANOMA

3:45PM - 5:00PM

Port Jackson Room

Chairs: Jazmina L. Gonzalez Cruz & Helmut Schaidler

- | | | |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 3:45 PM | Jazmina L. Gonzalez Cruz
CD4 ⁺ CD8 ⁺ double-positive T cells regulate CD8 ⁺ single-positive T cell function in the skin | <i>abs# 29</i> |
| 4:00 PM | Abdullah Al Emran
Distinct histone remodelling defines early stress induced drug tolerance in melanoma | <i>abs# 30</i> |
| 4:15 PM | Farzana Ahmed
A PI3K-AKT and Wnt/ β -catenin pathway driven regulatory mechanism defines differentially cycling tumor cell sub-populations in a 3D melanoma model | <i>abs# 31</i> |
| 4:30 PM | Dedee Murrell
Baseline characteristics of patients from the phase 3, double-blind, vehicle-controlled trial of the topical investigational drug SD-101 in patients with epidermolysis bullosa (ESSENCE study) | <i>abs# 32</i> |
| 4:45 PM | Tarl W Prow
Advances in dermoscopy-guided microbiopsy for biomarker analysis | <i>abs# 33</i> |

This session acknowledges the support of



WRAP UP & FAREWELL

5:00PM - 5:15PM

Port Jackson Room

POSTER LISTING

Nicholas F De Rosa

Skin cancer incidence and risk factors in Australian heart and lung transplant recipients:
A single-centre retrospective study abs# 34

Nicholas F De Rosa

Dermatological disease in heart and lung transplant recipients: A cross-sectional study abs# 35

Rachel Xuan

New biochip immunofluorescence test for the serological diagnosis of pemphigus
a systematic review of the literature abs# 36

Jessica Szu-Chia SCC Chen

Evidence-based review: Update on the literature of prevalence of osteopenia and
osteoporosis in epidermolysis bullosa abs# 37

Melissa Radjenovic

Association between bullous pemphigoid and neurological disease abs# 38

Nhung Dang

Engineer targeted melanin nanoparticles for skin cancer treatment abs# 39

Brendon W. H. Lee

Methods for grading severity of ocular involvement in patients with mucous membrane
pemphigoid abs# 40

Esther Wang

The effect of autoimmune blistering diseases on work productivity abs# 41

Sheena M Daignault

ER stress induction orchestrates apoptotic and immunogenic responses in melanoma cells abs# 42

Emi Nishida

Assessment tool with absolute values are useful in the evaluation of a patient with
achieving DLQI remission abs# 43

Sara L de Menezes

Healthcare providers' knowledge and cutaneous drug eruptions: Stepping into no
man's land abs# 44

Benson U Wang Lei

Development of a low-cost and minimally invasive absorbent microbiopsy for skin and
blood sampling abs# 45