

MEPSA 2017

Sydney 3-5 Dec

Scientific program

Sunday 3 December

5-7pm: Welcome Reception
The Nags Head Hotel
162 St Johns Road, Glebe

Monday 4 December

Level 6 Seminar Room
The Charles Perkins Centre hub
The University of Sydney

9am Welcome
Scott Byrne

Vale Prof Konrad Muller
Greg Woods and **Graeme Walker**

Session 1: A celebration of the work of Rakesh Kumar

Chair: **Gary Halliday**

9.30am: **Paul Foster**
School of Biomedical Sciences and Pharmacy (Immunology and Microbiology)
University of Newcastle
"The fortunes of a great collaboration: friendship through science"

9.55am: **Cristan Herbert**
Senior Lecturer, Pathology, UNSW Sydney
"Title TBA"

10.20am: **Rakesh Kumar**
MEPSA Legend and Emeritus Professor of Pathology, UNSW
"History doesn't repeat itself, but it rhymes"

10.45am Morning tea

Session 2: A celebration of the work of Liza Snow

Chair: **Vivienne Reeve**

11.15am: **Katharine Herbert**
Postdoctoral Research Scientist, Department of Oncology, University of Oxford
"TOPK as a novel target for tumour-specific modulation of radiation sensitivity"

11.35pm: **Dane Hayes**
School of Health Sciences, Faculty of Health, University of Tasmania
"Determining the immunophenotype of devil facial tumour disease 1 (DFT1)"

12.00pm: MEPSA AGM

1.00pm Lunch

Session 3: A celebration of the work of Greg Woods

Chair: **Liza Snow**

2.00pm: **Kathy Belov**
Professor of Comparative Genomics
Pro Vice-Chancellor Global Engagement
School of Life and Environmental Sciences, The University of Sydney
"Saving the Tasmanian devil from extinction"

2.30pm: **Richard Boyd**
Professor; Department of Anatomy and Developmental Biology, Monash
"Next generation cellular immunotherapy: steering CAR-T's to the clinic (seeing the Woods from the T's)"

3.00pm: **Alan Champion**
Operations Manager
Faculty of Science Medicine and Health, University of Wollongong
"Outside the Lab"

3.15pm: Afternoon tea

Session 4: Experimental Immunopathology

Chair: **Rakesh Kumar**

3.45pm: **James Wells**
Group Leader, The University of Queensland Diamantina Institute
"Investigating the role of CD8 T-cells in Rapamycin-mediated regression of squamous cell carcinoma."

4.10pm: **Ronald Sluyter**
Associate Professor and Head, Immunology and Cell Signalling Group
Centre for Medical and Molecular Bioscience
Illawarra Health and Medical Research Institute, University of Wollongong
"A humanised mouse model to study therapeutic targets and genetic variants in graft-versus-host disease"

- 4.35pm: **Amanda Patchett**
PhD candidate, The University of Tasmania
"Studies into the cellular origin of transmissible cancers in the Tasmanian devil (*Sarcophilus harrisii*)"
- 4.50pm: **Dajiang Guo**
PhD candidate, The University of Sydney
"RAB27a promotes melanoma cell invasion and metastasis via the regulation of exosomes"
- 5.05pm: **Benita Tse**
PhD candidate, The University of Sydney
"Ultraviolet irradiation of the skin alters the sphingosine-1-phosphate pathway in lymph nodes and blood"
- 5.20pm: Session close
- 6.00pm: **Gala Dinner**
The Grandstand Sports Bar
University of Sydney

Tuesday 5 December

Level 6 Seminar Room
The Charles Perkins Centre hub,
The University of Sydney

Session 5: A celebration of the work of Gary Halliday

Chair: **Greg Woods**

9.00am: **Levon Khachigian**
Head, Vascular Biology and Translational Research
School of Medical Sciences, UNSW Medicine
"Growth regulatory transcriptional networks in vascular pathobiology"

9.25am: **Diona Damian**
Professor, Department of Dermatology, The University of Sydney
"Skin cancer chemoprevention: The nicotinamide story"

9.50am: **Guy Lyons**
Senior Hospital Scientist, Cancer Services, Royal Prince Alfred Hospital
Assoc. Professor, Dermatology, Sydney Medical School, University Of Sydney
"Shedding UV light on the corneal epithelium"

10.15am: **Rebecca Mason**
Professor of Endocrine Physiology, School of Medical Sciences, Sydney
Medical School, The University of Sydney, Deputy Director, Bosch Institute
"Contributions of the vitamin D system to photoprotection"

10.40am: **Scott Byrne**
Associate Professor, Sydney Medical School, University Of Sydney
"UV-activated Regulatory B cells"

11.00am: Morning Tea

Session 6: Photobiology

Chair: **Prue Hart**

11.30am: **Shelley Gorman**
Telethon Kids Institute, University of Western Australia
"Harnessing low dose ultraviolet radiation to curb obesity and type-2 diabetes: pathways involving vitamin D, nitric oxide and brown adipose tissue"

11.45am: **Naomi Delic**
PhD candidate, The University of Sydney
"The Effects of UV Exposure on Corneal Epithelial Regeneration and Maintenance"

12.00pm: **Manori De Silva**
PhD candidate, The University of Sydney
"Is the "overirradiation" product of pre-vitaminD3, 24-hydroxy-lumisterol3 photoprotective?"

- 12.15pm: **Ashley Yang**
PhD candidate, The University of Sydney
"Cinacalcet, a calcium-sensing receptor (CaSR) allosteric activator, protects against UV-induced DNA damage in human primary keratinocytes and in mice"
- 12.30pm: **Felix Marsh-Wakefield**
PhD candidate, The University of Sydney
"Using mass cytometry to investigate the effects of phototherapy on B cells in clinically isolated syndrome"
- 12.45pm: **Arthur Shariev**
PhD candidate, The University of Sydney
"Targeting melanoma metastasis with vitamin D"
- 1.00pm: Lunch

Session 7: A celebration of the work of Vivienne Reeve

Chair: **Shelley Gorman**

- 2.00pm: **Rex Tyrrell**
Professor of Pharmaceutical Sciences, University of Bath
"From Stonehenge to Sydney-a photobiological quest"
- 2.30pm: **Prue Hart**
Professor and Head, Inflammation; Telethon Kids Research Institute
"Narrowband UVB phototherapy for pre-Multiple Sclerosis: Progress in the PhoCIS trial"
- 2.55pm: **Katie Dixon**
*Head, Sunlight and Cancer Group;
 Discipline of Anatomy and Histology, The University of Sydney*
"A Vivifying Reevuew of *in vivo* photobiology studies in Sydney since 2003"
- 3.20pm: **Graeme Walker**
 Senior Research Fellow, Drug Discovery Group,
 QIMR Berghofer Medical Research Institute
"Natural genetic variability controlling skin cancer and responses of the skin to ultraviolet radiation"
- 3.45pm: **Geoffrey Dandie**
*CEO, ANZCCART
 The University of Adelaide*
"Experimental Pathology Using Animal Models of Disease"
- 4.10pm: Presentation of Muller and Kumar awards, Close and Farewell
- 4.30pm: Depart