



Garvan Institute of Medical Research

Leaders in Science & Society



Professor Nicholas Hayward

Head – Oncogenomics Laboratory
QIMR Berghofer

“The Australian Melanoma Genome Project”

Monday 1 June 2015 12PM, AUDITORIUM

HOST: PROF CHRIS ORMANDY

Professor Nicholas Hayward has studied the molecular genetics of melanoma for 30 years and is a foundation member of the International Melanoma Genetics Consortium (GenoMEL) and the Society for Melanoma Research. His work spans molecular epidemiology, genetics, genomics, cell biology and mouse models of melanoma. He played key roles in the identification of CDK4, MITF, POT1, ACD and TERF2IP as familial melanoma susceptibility genes. He has also contributed significantly to the majority of genome-wide association studies that have identified numerous low penetrance risk genes for melanoma and the associated phenotypic traits of pigmentation and naevi. His research has contributed to the understanding of key somatic mutations that drive melanocyte neoplasia, including the seminal finding of BRAF mutations in naevi, and MAP3K5, MAP3K9 and RAC1 mutations in melanoma. He is currently a principal investigator of the Australian Melanoma Genome Project – an endeavour that aims to characterize the genomic landscape of somatic mutations and chromosomal aberrations in 500 melanomas.