

2018 Seminar

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Engineering Preclinical Models of Lung Cancer for Therapeutic Discovery

Dr Kate Sutherland

Group Leader, Stem Cells and Cancer Division
The Walter and Eliza Hall Institute of Medical Research

Dr Kate Sutherland is a laboratory head at The Walter and Eliza Hall Institute of Medical Research in the ACRF Stem Cells and Cancer Division. She completed postdoctoral studies in the laboratory of Prof Anton Berns at the Netherlands Cancer Institute in Amsterdam. During this time her research identified the cells-of-origin of two main lung cancer subtypes.

Kate's research program is dedicated to understanding the drivers of intertumour heterogeneity in lung cancer, with the aim of designing precision medicine approaches. Her laboratory develops preclinical mouse models engineered to recapitulate the genetic changes observed in human lung cancer. Current findings obtained in models of small cell lung cancer (SCLC) and non-small cell lung cancer (NSCLC) will be presented. Specifically, she will highlight how specific genetic alterations contribute to changes in the metabolic and immune microenvironment that underlie tumour initiation and progression. Future work exploiting these characteristics for therapeutic intervention will be discussed.



DATE

THURS 22
NOVEMBER

TIME

12.00PM – 1.00PM

LOCATION

TRF BUILDING
LEVEL 2, SEMINAR
ROOMS 1 + 2