

Tuxedo Junction Grants 2010

The Imperium Capital Group Grant 2010

Total Grant \$35,000

Researcher:	Prof David Bowtell, Dr Andreas Möller
Institution:	Research Division, Peter MacCallum Cancer Centre
Award / Duration:	Research Grant: 2009-2011
Funding:	\$99,000 in 2009, \$100,000 in 2010, \$100,000 in 2011
Scientific Title:	Hypoxia signalling in the tumour microenvironment
Lay Title:	The effect of low oxygen levels in solid breast tumours and surrounding tissues as potential drug intervention target
Tumour Type:	Breast cancer
Field of Research:	Oncology and Carcinogenesis
Focus of Research:	Research into the causes of breast cancer in the adult population
Anticipated Outcome:	This project explores how low oxygen levels impact on breast cancer cells and their surrounding tissue, identifying opportunities for drug interventions.

The Paulusz Family Grant 2010

Total Grant \$35,000

Researcher:	Dr Louise Purton, A/Prof Kong Wah Ng
Institution:	Stem Cell Regulation Unit, St Vincent's Institute of Medical Research
Award / Duration:	Research Grant: 2010 - 2012
Funding:	\$100,000 per annum
Scientific Title:	Roles of retinoic acid receptors in bone and haemopoiesis
Lay Title:	How does Vitamin A regulate bone and blood cells?
Tumour Type:	Leukaemia and lymphoma
Field of Research:	Haematology
Focus of Research:	Research into the treatment of leukaemia and lymphoma.
Anticipated Outcome:	This project explores the use of vitamin A molecules to increase the numbers of blood stem cells for transplantation purposes. The results will lead to improvements in blood stem cell transplants.

The Tuxedo Junction All Aboard Grant 2010

Total Grant \$20,000

Researcher:	Prof Rodney Hicks, A/Prof Grant McArthur, Dr Jayesh Desai
Institution:	Centre for Molecular Imaging, Peter MacCallum Cancer Centre
Award / Duration:	Research Grant: 2010 - 2012
Funding:	\$98,250 per annum
Scientific Title:	The role of glucose metabolism in oncogene addiction
Lay Title:	The role of glucose in response to cancer treatment
Tumour Type:	Melanoma and sarcoma
Field of Research:	Cancer Therapy
Focus of Research:	Research into the treatment and causes of melanoma and sarcomas in adolescents and adults.
Anticipated Outcome:	This research seeks to understand the important links between a cancer cell's use of energy sources and the genetic changes that initiate and drive its transformation to a malignant growth pattern. From such knowledge we hope to better predict therapeutic response to molecular targeted drugs and thereby adapt therapeutic interventions to improve patient outcomes. This translational research will involve a combination of pre-clinical and clinical studies with immediate relevance to cancer treatment.

**Tuxedo Junction Artists Grant for
Cancer Information & Support Services**

Total Grant \$10,000

Made on behalf of the Tuxedo Junction Artists