

Fellowship title	Correcting gene expression in pancreatic cancer
Fellow	A/Prof Oliver Rackham
Institution	Harry Perkins Institute of Medical Research
Research description	<p>Normal genes responsible for cell growth, development, and differentiation can cause cancer when their activity or expression is increased, so called "oncogenes". Other genes that normally act to stop the uncontrolled growth of cells - "tumour suppressor" genes - can also cause cancer if mutations or reduced gene expression lower their activity. Therefore, cancer is fundamentally a disease of defective genes and gene expression.</p> <p>This project will use cutting edge synthetic biology approaches to create new technologies to control gene expression, providing new ways to understand cancer targets and new protein-based therapies to modulate gene expression in cancers that resist current treatment regimes.</p>
Funding from CCWA	\$100,000 for 2018 (\$400,000 in total for 2015-2018)
Supported	In the names of Charles Lockwood, in memory of Rosemary Hale & in the Estate of Paulus Hoogendyk