

<b>Project title</b>	<b>Analysis of imaging flow cytometry for diagnosis and monitoring of paediatric acute lymphoblastic leukaemia (ALL)</b>
Recipient	Mr Venkat Doddi
Institution	The University of Western Australia
Research description	<p>Paediatric acute lymphoblastic leukaemia (ALL) is the most common childhood cancer. It may be characterised by several known genetic variations that can determine an affected individual's outcome and treatment.</p> <p>Traditional methods used to determine the person with cancer's response to treatment are not specific enough, time-consuming and expensive. Dr Erber and Dr Fuller have developed the 'immuno-flowFISH' blood screening method using the imaging flow cytometer to identify the leukaemia cells in children with ALL. We predict that the immuno-flowFISH method increases the likelihood of detecting chromosomal abnormalities in paediatric ALL as compared to traditional methods.</p> <p>The success of this project will allow a rapid and accurate tool for the detection of remaining cancer cells during the treatment phase of an affected individual.</p>
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