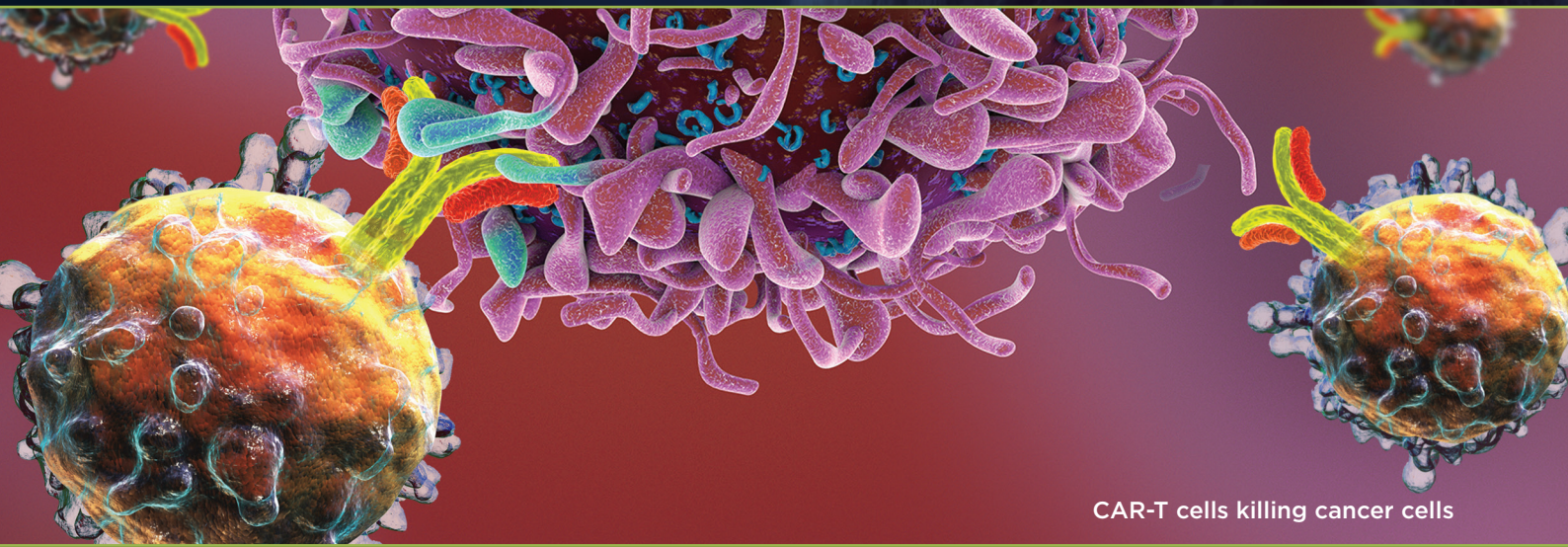


# The future of cancer treatment

## Combining stem cells and immunotherapy

### Transforming cancer from a fatal disease to a manageable condition



CAR-T cells killing cancer cells

Melbourne based Cartherics Pty Ltd leads an AUD\$2.987 million Department of Industry, Innovation and Science Co-operative Research Centre project in partnership with the Hudson Institute of Medical Research, Monash University, Mesoblast Ltd and Cell Therapies Pty Ltd.

As part of the CRC project, Cartherics offers high-calibre students PhD research programs that include world-class research training, as well as opportunities to develop diverse skills that will benefit their future career.

The Cartherics PhD Program centres on medical research, specifically combining stem cells and immunotherapy to cure cancer.

Cartherics PhD Students will be enrolled through the prestigious Monash University Doctoral Program.

We recognise that undertaking a PhD is a significant commitment. Therefore, eligible PhD students enrolled with Cartherics are also awarded a significant Cartherics top-up scholarship of up to \$5,000 per annum for a maximum of 3.5 years to supplement their Monash Graduate Research Scholarship, as well as other incentives. This supplement is normally tax free.



The Cartherics Team



## Current PhD Research Projects being undertaken at Cartherics

1. Re-engineering the function of natural killer cell receptors via CRISPR/Cas9: a new approach for 'off-the-shelf' immunotherapy.
2. Translating Chimeric Antigen Receptor into Cutaneous T cell Lymphoma.
3. Developing a clinically translatable iPSC-derived immunotherapy.
4. In vivo rejuvenation of both cancer specific and generic T cell immunity by genetically edited iPSC derived common lymphoid progenitor cells. (Commercial in Confidence, for further information on this project please contact Professor Alan Trounson).
5. The role of integrin linked kinase in senescence and immunosuppressive tumor microenvironment in colon cancer.



Advanced technology in the Cartherics laboratory

### For further information contact

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More information on current PhD research projects is available on the Cartherics web site.

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