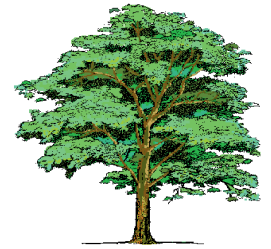




LIONS CORD BLOOD FOUNDATION INC.



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Trust Fund Number DGR.900495462
ABN 91 048 667 604

Lions Cord Blood Foundation Update - July 2019

As of last December, the BMDI Cord Blood Bank has stored 13,863 cord blood units since inception in 1996 and involvement with the Lions Cord Blood Foundation over this period. Of that number 558 have been released in Australia and around the world. Each of these releases brings hope to someone with leukaemia and other types of cancers and blood disorders by providing a second chance at life for those like Ethan shown opposite.



Based at the Royal Children's Hospital, the BMDI Cord Blood Bank is one of three public cord blood banks in Australia, which together form the AusCord network of public cord blood banks, with the other banks in Sydney and Brisbane and access to more than 650,000 cord blood units around the world. Lions around Australia by donating over \$140,000 in the year ending June 2019 to the Foundation have participated in this success as well as supporting early research using cord blood stem cells for the treatment of other diseases noted in Research below. A large part of our fundraising dollars pay the salary of a researcher who is at the forefront of the exciting information set out below.

Research

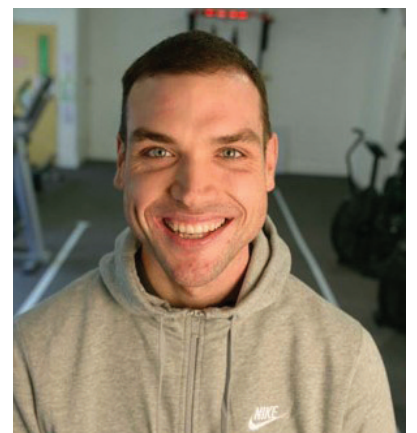
Over the past 3 years Dr Elwood and a team of collaborators have made significant progress towards the establishment of a new type of stem cell bank from cord blood; these stem cells are called induced pluripotent stem cells (iPSC). iPSCs are able to give rise to any cell in the body. Cord blood is an excellent source of starting material for making iPSCs in the laboratory. This is a long-term project with the ultimate aim to be able to provide an accredited and safe bank of stem cells from cord blood for new types of cellular therapies (such as retinal repair, muscle and nerve repair). A collaboration has been established with researchers at the Florey Institute of Neuroscience & Mental Health, who are undertaking experiments to show that the stem cell line the Bank has generated can also produce nerve cells which may be used for a clinical trial for the treatment of Parkinsons disease.



It All Stems
from Here

When the Lions Cord Blood Foundation began cord blood transplants were exclusively used to cure children from cancer of the blood (leukaemia) and other blood disorders. However in more recent times teenagers and adults with these diseases have been successfully treated with stem cells.

Jake right, was diagnosed with Acute Myeloid Leukaemia (AML) when he was 24. Since his Cord Blood Transplant he has remained cancer-free. For more information refer to Fight Cancer Foundation web site. The Lions Cord Blood Foundation has supported the Fight Cancer Foundation, previously the BMDI, for the past 23 years.



**By making a donation to the Lions Cord Blood Foundation Inc.
you are supporting our fight against Leukemia and other blood disorders.**

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