

INFLAMMATION

THE BODY'S BEST KEPT DEADLY SECRET

INFLAMMATION IS NOT WHAT YOU THINK

Think you know about inflammation?

Think again. Redness, swelling, muscle aches... that's not even the half of it. Chronic inflammation is a key driver of diseases, such as **cancer**, **cardiovascular** disease and **autoimmune** diseases.



WE KNOW SO MUCH AND SO LITTLE

Every day we learn more about inflammation and how it drives disease. But, there's still a lot we don't know. We need more time and better resources to unlock the secrets of inflammation. **This approach to medical research is not about treating disease, it's about preventing it all together.**

Centenary Institute
life saving research



Cancer. Inflammation. Cardiovascular.



IT IS YOUR BEST FRIEND AS WELL AS YOUR WORST ENEMY

The human body needs inflammation, as an immune response that fights infection.

However, it is chronic inflammation that drives chronic disease. **If we can control inflammation, we can stop many diseases from ever eventuating.**



THE CENTENARY INSTITUTE TAKES THE LEAD

The Centenary Institute is a world leader in the field of inflammation. We specialise in understanding how inflammation drives cancer and cardiovascular diseases. Our research is strengthened by our long-standing affiliations with RPA Hospital and the University of Sydney,

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CASE STUDY: LIVER DISEASE



“ My team at the National Liver Transplant Unit perform around **80 liver transplants every year**, as a result of liver disease and cancer. By understanding, targeting and controlling inflammation, **we could make that number zero.** ”

PROFESSOR GEOFF MCCAUGHAN

HEAD OF LIVER INJURY & CANCER PROGRAM - CENTENARY INSTITUTE
HEAD OF LIVER TRANSPLANT UNIT - RPA HOSPITAL

THE FACTS ON LIVER DISEASE



5.5 million Australians have fatty liver, which can have no initial symptoms. Inflammation can turn fatty liver into cirrhosis or cancer.



6 million Australians, over one quarter of the population, will suffer from some form of liver disease in their lifetime.



The total financial cost of liver disease was estimated as \$5.4 billion in Australia in 2012 and the total cost including the burden of disease is estimated to be \$50.7 billion.

7,200

Over 7,200 Australians will die from liver disease this year.



The five year survival rate of liver cancer is just 15.5%.