Metabolism, Exercise and Disease

Overnutrition and inadequate activity are major risk factors for obesity, diabetes, cardiovascular disease and depression. These diseases are serious problems in our communities and limit our health and wellbeing. The Metabolism, Exercise and Disease Program uses new and innovative techniques to investigate how overnutrition and inadequate activity contribute to these diseases across all settings. Its ultimate goal is to find the best ways to prevent and treat these diseases by reducing risk factors and discovering new and better drugs to treat them.

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Selected Key Publications


External Grant Funding


NHMRC Project Grant, “Targeting oxidant-dependent mechanisms that drive COPD and its co-morbidities”. 2015–2017, Associate Professor Ross Vahos and Associate Professor Steve Bozinovski.

NHMRC Project Grant, “Targeting the ALX/FPR2 receptor in COPD”. 2014–2016, Associate Professor Ross Vahos and Associate Professor Steve Bozinovski.

NHMRC Project Grant, “Investigating a novel agent to limit brain injury and post-stroke complications”. 2014–2016, Dr Alyson Miller and Dr Sarah Spencer.


NHMRC Early Career Research Fellowship, “Memory and mood impairment associated with sleep disturbance”. 2013–2016, Dr Melinda Jackson.

