

Dietary Phospholipids and Cardiovascular Disease

Host School/Institute: Heart Research Institute

URL: <http://www.hri.org.au>

Project Code: HRI1

Supervisor: Associate Professor Jeffrey Cohn

Contact Phone: + 61 2 8208 8906

Contact Email: cohnj@hri.org.au

Description of Project:

Our research group is interested in the metabolic effects of dietary phospholipids (PLs) and we are investigating the possibility that PLs from different sources could be used as nutraceuticals to prevent or slow the onset of cardiovascular disease. We have carried out experiments in high-fat fed mice to show that phospholipid-rich krill oil and milk extract both have beneficial cardiometabolic effects since they can reduce hepatomegaly, hepatic steatosis and hyperlipidemia. We are now interested in identifying which phospholipids are most efficacious, and in investigating the biological mechanism responsible for the metabolic benefits of PLs. Highly motivated and hard-working students who are interested in nutraceutical research and atherosclerosis are encouraged to consider this opportunity to learn and contribute to our research.

Administration contact details:

Dr Clare Hawkins

Phone: +61 2 8208 8900

Email: hawkinsc@hri.org.au