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Early detection of cardiovascular disease in humans: Implications for individualised prevention

Tuesday 25 August 2015 at 1.00pm

Room 1.81, Anatomy, Physiology & Human Biology Building North
The University of Western Australia (off Hackett Entrance No. 2)

The Seminar: This presentation will be about the ‘dark’ side of the Communication Science (hi)story. Many of the new programs about Communication Science focus on the need to facilitate or advance the need for effective communication by scientists, and rightly so. However a glance at the major books on the topic (e.g., Schneider, Moody, Oreskes) reveals another story entirely. It is a story of arguably naïve scientists confronted with if not actually dominated by politically and publicly powerful commercial operators, and good communication skills are simply not enough when the individual scientist suddenly discovers – possibly even after the event – that he and his colleagues have achieved something of substance. The solution I will briefly table at the end of my presentation involves an Agency for the Protection of Science although, in these straightened times, private funding might be the only way to go.

The Speaker: Danny Green is a human integrative biologist whose research focuses on the prevention of cardiovascular disease. His specific expertise relates to novel imaging approaches to the assessment of micro- and macro-vascular diseases, including surrogate measures of early and occult disease. He is a cardiovascular exercise physiologist who assesses the impact of exercise, exercise training and physical activity in the context of prevention. This includes the best combinations of exercise, pharmacological and other preventative measures to minimise future development of atherosclerosis in young people at risk and re-occurrence of cardiovascular disease in older individuals. His research encompasses the lifespan; from exercise training in the prevention of the development of atherosclerosis in obese children and adolescents, to research on the best combination of exercise and medications in the management of patients with hypercholesterolemia, diabetes, coronary disease and heart failure patients awaiting transplantation. He has published >250 refereed articles in Cardiology and Physiology journals including The Lancet, Circulation, Journal of the American College of Cardiology, Journal of Clinical Investigation, Journal of Physiology, American Journal of Physiology and the Journal Applied Physiology.