



CRX 2009



CCRE in Nutritional Physiology, Interventions and Outcomes

- University of Adelaide
- CSIRO Human Nutrition
- Royal Adelaide Hospital
- Hanson Institute





Members of the CCRE



Chief Investigators:

- Prof Michael Horowitz
- Prof Peter Clifton
- Prof Gary Wittert
- A/Prof Ian Chapman
- A/Prof Rob Fraser
- A/Prof Chris Rayner
- A/Prof Christine Feinle-Bisset
- A/Prof Karen Jones

Associates:

- A/Prof Ashley Blackshaw
- A/Prof Manny Noakes
- Prof Chris Nordin
- A/Prof Marianne Chapman
- Dr Amanda Page

Biostatistician:

- Ms Kylie Lange

Project Officer:

- Mr Tim Murphy



Fellows



- **Dr Nam Nguyen (Clinical)**
- **Dr Richard Young**
- **Dr Natalie Luscombe-Marsh**
- **Dr Evan Atlantis (with FFCMH)**



Key Research Themes



Nutritional interventions for

- Diabetes Mellitus
- Obesity
- Ageing
- Critical illness
- Cardiovascular disease

The physiology and pathophysiology of the GIT, and nutrient interactions in

- Obesity
- Type 2 diabetes mellitus
- Functional GI disorders



Key Research Themes



Nutritional Physiology at the Basic/Clinical Interface

- Fatty Acids and the Regulation of Intermediary Metabolism and Energy Balance
- The physiology of sweet receptors in the GIT and implications for diabetes and obesity.
- The stomach and the regulation of food intake – novel gastric peptides, and the regulation of vagal afferents to the NTS

The relationship between nutrition, food related behaviors and chronic disease – interactions and effect of interventions



Things that have gone well



- **Key Staff Appointments**
 - Biostatistician
 - Project Officer
 - Post docs
- **Strategies to build collaboration, and intellectual capacity**
 - Wednesday Wrap
 - Joint meetings with CCRE in Diabetes



Things that have gone well



- **Strategies to build grant and career success**
 - Support for post docs
 - Enhanced grant review process
- **Grant support**
 - NH&MRC
 - ARC
 - NHF
- **Ability to leverage additional support**
 - PhD scholarships
 - Funding from Hanson/IMVS
 - Centre Status and funding from the University of Adelaide



Best partnerships & collaborations



- Relationship with Melbourne CCRE
- Partnership with CSIRO Nutrition.
- Interaction with Freemasons Foundation Centre for Men's health
- Cardiovascular Research Centre
- Inclusion of additional research areas
 - Basic Science (Nerve Gut lab)
 - Nutrition and metabolic bone disease

Things we would do differently next time

- Governance.
 - Establish the advisory board sooner
 - Delegation of specific responsibility for development of major themes
 - Focus more on the development of strategic partnerships
- Formulate a communication strategy, greater community and stakeholder engagement and a larger focus on translation
- Develop strategies to attract/involve clinical trainees much earlier
- Build relationship with Department of Health & School of Agriculture and Plant Science



Thank you...