

**Bosch Distinguished Seminar Series****Vitamin D and muscle****Speaker:**

Professor Jenny Gunton

**Title:**

Vitamin D and muscle

**Date:**

Thursday, 30 October 2014

**Time:**

1.00-2.00pm

**Venue:**Lecture Theatre 104, New Law Building  
Eastern Avenue, University of Sydney**Professor Jenny Gunton:**

Professor Jenny Gunton received her PhD from the University of Sydney in 2003 having studied in Rob Baxter's lab at the Kolling Institute.

She completed her post-doctoral fellowship in Ron Kahn's lab at the Joslin Diabetes Center and Harvard Medical School in 2005. She returned to Australia to the Garvan Institute and set up the Diabetes and Transcription Factors lab. In 2012 she became the President of the Australian Diabetes Society and this year has become Chair of Medicine at Sydney University, Westmead Hospital.

Her research interests include diabetes, obesity, and vitamin D. She is particularly interested in the intersection of transcription factors and their regulation by nutrients. She has published over 50 papers, and has an h-index of 20.

***ABSTRACT***

Whether vitamin D receptor is even expressed in muscle has been controversial. We have recently shown that it is expressed, it is regulated, and it changes gene expression in myocytes. Using a variety of genetically modified mouse models, we will discuss the role of vitamin D in muscle.