



University of  
South Australia

**Sansom Institute**  
for Health Research

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to better health.

## **Sansom Institute Visiting Researcher Seminar**

**Date:** Wednesday 16th March 2011

**Time:** 4:00pm – 5:00pm

**Place:** PM-06, Playford Building  
City East Campus  
University of South Australia  
Frome Road, Adelaide

**RSVP:** 15th March 2011  
[sansominstitute@unisa.edu.au](mailto:sansominstitute@unisa.edu.au)

The Sansom Institute for Health Research is pleased to invite you to a Visiting Researcher Seminar.

## **Professor Rene St Arnaud**

Professor of Medicine, Surgery, and Human Genetics,  
McGill University, Montreal

### **Repression of basic domain-leucine zipper (bZIP) transcription factor activity in osteoblasts**

Professor Rene St Arnaud holds joint appointments in Medicine, Surgery, and Human Genetics at McGill University, Montreal. His research, which is funded by the Shriners of North America and the National Institutes of Health, focuses on the transcriptional control of gene expression in osteoblasts and on vitamin D metabolism in development and disease.

Bone mineralisation is dependent on the orderly maturation of osteoblast cells including the sequential expression of key genes coding for various components of bone tissue. The bZIP transcription factor is an inhibitor of key osteoblast gene expression and the inhibition of this inhibitory transcription factor was hypothesised to increase expression of these key genes associated with mineralisation.