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South Australia

**Sansom Institute**  
for Health Research

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to better health.

## Sansom Institute Visiting Researcher Seminar

**Date:** Monday 17 October 2011

**Time:** 4:00pm – 5:00pm

**Place:** P3-20, Level 3  
Playford Building  
City East Campus  
University of South Australia  
Frome Road, Adelaide

**RSVP:** 16 October 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.

### **Dr Christina Bursill**

Immunobiology Unit Leader, Heart Research Institute

### ***Regulation of Chemokines and Chemokine Receptors by High Density Lipoproteins***

Christina Bursill was recently appointed as the Immunobiology Unit Leader at the Heart Research Institute (HRI). Prior to this she completed her PhD at Adelaide University in lipid metabolism before heading off to Oxford University for five years to undergo a postdoctoral appointment in the Departments of Cardiovascular Medicine and Pathology.

Her postdoctoral time triggered her interest in the mechanisms that cause atherosclerosis and in particular the role of small inflammatory proteins called Chemokines. Christina returned to Australia four years ago to work with Professors Kerry-Anne Rye and Philip Barter at the HRI. During this time she has investigated the effects of High-Density Lipoproteins (HDL) on chemokine and chemokine receptor expression in mouse models and also *in vitro* in cell types involved in atherosclerosis such as macrophages, endothelial cells and smooth muscle cells.

In collaboration with the Translational Research Group, headed by Associate Professor Martin Ng, Christina also looks at the ability of HDL to regulate the formation of new blood vessels, a process called angiogenesis. Finally, she also has an interest in using viral gene transfer techniques to over-express proteins that may attenuate atherosclerosis.