

Department of Molecular and Cellular Biology  
**DISTINGUISHED SPEAKER SEMINAR SERIES**

# Dr. Christopher McCulloch

CRC and Professor Matrix Dynamics Group,  
Faculty of Dentistry, University of Toronto



**"Inflammatory signaling  
through focal adhesions"**

**Wednesday, October 19, 2011  
at 2:30 p.m. in THRN 1307**

Inflammation is a critically important process in mammals for control of infection but when prolonged and unchecked, inflammation can contribute to serious and debilitating diseases such as arthritis, nephritis and periodontitis. Notably, prolonged inflammation frequently leads to organ fibrosis, which blocks normal function. In this presentation, new and exciting data will be presented on how the pro-inflammatory mediator interleukin-1, channels its signal transduction through specialized adhesions in adherent cells. These findings have the potential to pave the way for developing new therapies to control fibrosis and other undesirable consequences of chronic inflammation.

*Host: Dr. John Dawson*

*Coffee, Tea & Timbits*

**EVERYONE IS WELCOME TO ATTEND!**

*"A great opportunity to hear leading researchers in the scientific community discuss their work"*