Over the last 25 years Prof Rogers has made important contributions to understanding the biology of bone cells and defined the molecular mechanisms of action of bisphosphonates, a blockbuster class of drugs used for the treatment of common bone diseases. In 2012 Prof Rogers relocated from the University of Aberdeen, UK to establish a new laboratory at the Garvan Institute. In this talk he will discuss the actions of bisphosphonates on protein prenylation via the mevalonate (cholesterol biosynthesis) pathway and, more broadly, the role of protein prenylation in health and disease, particularly in the context of inflammation.

Marcia’s PhD (Cancer department at Garvan Institute of Medical Research) and early postdoctoral career (Children’s Cancer Institute Australia) focused on the study of cell intrinsic mechanisms of tumourigenesis and tumour progression. She then joined Prof Wolfgang Weninger’s Immune Imaging Lab at the Centenary Institute where she used intravital microscopy to study T cell extravasation into inflamed tissues and the dynamics of tumour-cytotoxic T cell interactions. Marcia now leads her own Inflammation and Imaging Group within the Bone Therapeutics Lab at the Garvan Institute. In this talk Marcia will discuss preliminary findings from new CRISPR mouse models of the autoinflammatory disease Mevalonate Kinase Deficiency.

**Date:** Wednesday 8th August 2018  
**Time:** 1 - 2 PM  
**Location:** Auditorium, Research & Education Centre, St George Hospital  
Ground Floor, 4 – 10 South St, Kogarah  
**Light refreshments will be provided**  
[www.stgcs.med.unsw.edu.au/ripm](http://www.stgcs.med.unsw.edu.au/ripm)