

# SgN Immunology Seminar



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### The Monocyte-Macrophage Lineage in Cardiovascular Disease

Monocytes are mononuclear circulating phagocytes that originate in the bone marrow and give rise to macrophages in peripheral tissue. For decades, our understanding of monocyte lineage was bound to a stepwise model that favored an inverse relationship between cellular proliferation and differentiation. Sophisticated molecular and surgical cell tracking tools have transformed our thinking about monocyte topo-ontogeny and function. Recent studies focusing on progenitor proliferation and differentiation, monocyte mobilization and recruitment, and macrophage differentiation and proliferation are reshaping knowledge of monocyte lineage in steady state and disease. Here, I will discuss the latest contributions to our understanding of monocyte-macrophage biology in the context of atherosclerosis and its complications.

*Host*  
Dr Ng Lai Guan  
Singapore  
Immunology  
Network, A\*Star

*Date*  
**Monday**  
**14 July 2014**

*Time*  
11am – 12pm

*Venue*  
SgN Seminar  
Room  
Immunos Building  
Level 4  
Biopolis