



Garvan Institute of Medical Research

Leaders in Science



Professor Henk Stunnenberg

Nijmegen Centre for Molecular Life Sciences (NCMLS)
Radboud University, The Netherlands

“Functional insights from epigenome
profiling in health and disease”

Monday 2nd December, 2013 | 12PM, NAB AUDITORIUM

Host: Professor Sue Clark

Henk Stunnenberg is full professor and head of the [Department of Molecular Biology](#). He is a member of EMBO.

He is coordinator of the EU FP7 High Impact Project BLUEPRINT-epigenome and co-chair of the scientific steering of the International Human Epigenome Consortium ([IHEC](#)). His research aims at unraveling the molecular basis of development and differentiation emanating from the genome and epigenome in the context of health and disease with emphasis on cancer. The major focus is on the regulatory networks in human and mouse as well as *Plasmodium falciparum*, the causative agent of malaria. State-of-the-art technological developments are applied ranging from single molecule studies through to genome wide elucidation of genetic and epigenetic pathways and mechanisms. The lack of a quantitative framework around the dynamics of the epigenome and its determinants represents a major hurdle for the translation of epigenetic observations into regulatory models, for the identification of associations between epigenotypes and diseases and the subsequent development of a entire new class of compounds for their prevention and treatment.