

ROHAN WILLIAMS

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Rohan Williams is a computational biologist whose work lies at the interface between genetics, genomics and integrative biology. Williams obtained his undergraduate degree in Physics at the University of Technology Sydney in 1994 and then worked in physiology and biomedical engineering at St George Hospital and obtained his PhD in Medicine from the University of New South Wales in 2003. Becoming interested in the emerging field of genomic biology, he moved into bioinformatics, genetics and genomics in 2002, working as a postdoc at the University of Sydney, and from 2004 to 2007 as an NHMRC Peter Doherty Fellow at UNSW. From 2007-2011 he was a Group Leader at the John Curtin School of Medical Research (Australian National University, Canberra). Since July 2011, he is a Principal Investigator at the Singapore Centre on Environmental Life Sciences Engineering (SCELSE) and Deputy Head of the SCELSE Metagenomics and Systems Biology Cluster.

Research Interests

His primary interests and expertise lie in transcriptomics, statistical bioinformatics, expression genetics (at both intra- and inter-specific levels) and the development of systems level approaches to understanding intermediate phenotype data. He has a longstanding interest in interdisciplinary and integrative research, including the application of network theory to the analysis of high-throughput biological data.