



Garvan Institute of Medical Research

Leaders in Science & Society



Dr Yoshihide Hayashizaki

Program Director, Preventative Medicine and Diagnosis Innovation
Program, RIKEN, Japan

**“The recent progress of FANTOM omics,
and its application to health care”**

Monday 22 February 2016 12PM, AUDITORIUM

Host: Prof John Mattick

Yoshihide Hayashizaki is Director of Preventive Medicine & Diagnosis Innovation Program. He obtained his M.D. and Ph.D. from Osaka University Medical School in 1982 and 1986, respectively. In 1992, he joined RIKEN, and was appointed Project Director for the RIKEN Genome Project in 1995. Since then he has been taken a transversal data-driven approach to analyze transcriptomes by developing unique technologies including a series of full-length cDNA technologies. With this approach, he has established large amount of full-length cDNA clone bank. This activity was followed by organization of FANTOM (Functional Annotation of Mammalian Genome), an international consortium, originally to annotate a large number of cDNA and subsequently expanded to transcriptome and network analysis. FANTOM activities revealed that more than 63% of the genome - not just the ~1.5% fraction that are protein-coding exons - is transcribed as RNA. His research interests are focused on understanding of biological phenomena as systems at the molecular level and its application to preventive medical care.