

# GENOMICS BIG DATA

## AND THE FUTURE OF MEDICAL RESEARCH AND HEALTHCARE

**FREE ADMISSION 6PM WED 6 DEC 2017**

THEATRE K309 MONASH UNIVERSITY CAULFIELD

**PROF. JOHN MATTICK** AO FAA FAHMS FRCPA  
GARVAN INSTITUTE OF MEDICAL RESEARCH



THE FASTEST TECHNOLOGICAL ADVANCE IN HISTORY has reduced the cost of human genome sequencing dramatically ushering in a new era of personalised medicine and 'precision' healthcare.

Soon individual genome sequences will be a standard part of health records—revolutionising the health system management. Genome sequences integrated with clinical records and information from personal devices will create a multi-dimensional data ecology that will require advanced systems to secure the data and enable its analysis by machine learning and artificial intelligence.

Find out how Australia can lead this revolution.

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