



Garvan Institute of Medical Research

Leaders in Science & Society



Prof Jonathon Howard

Eugene Higgins Professor of Molecular Biophysics & Biochemistry
Professor of Physics
Co-Director, Yale Quantitative Biology Institute
Yale University

“Motor proteins, Microtubules and Morphogenesis”

Monday 2 July 2018 12PM, AUDITORIUM

Host: A/Prof Antony Cooper

Jonathon (Joe) Howard is a biophysicist interested in how motor proteins and the cytoskeleton shape and move cells. He uses optical and mechanical techniques to study the behaviour of individual molecules, and uses theory and computation to understand how molecular interactions give rise to coordinated, collective behaviour at the cell level. After studying mathematics (B.Sc.) and neurobiology (Ph.D.) at the Australian National University in Canberra, he has made several career moves: postdoc in San Francisco, Professor of Physiology and Biophysics at the University of Washington in Seattle, Director of the Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG) in Dresden, and currently he is the Eugene Higgins Professor of Molecular Biophysics and Biochemistry and co-Director of the Quantitative Biology Institute at Yale University. He has pursued a diverse range of scientific interests including vision, audition, intracellular transport, mitosis, cell motility, embryonic development and neuronal morphogenesis.