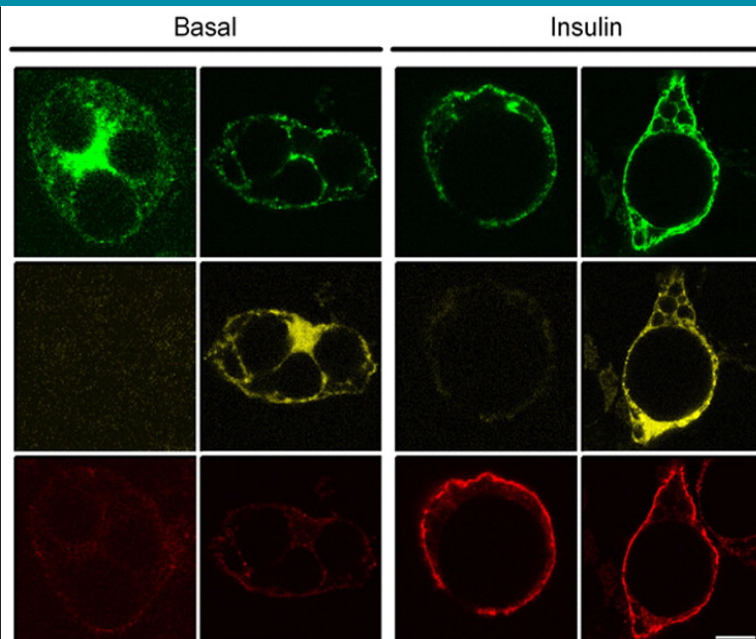


Mapping the insulin signalling network in Adipocytes

Professor David James is a world recognised expert in diabetes research. He is the Director of the Diabetes & Obesity Research Program at Garvan Institute of Medical Research and an NHMRC Senior Principal Research Fellow. He was awarded the Glaxo Medal in 1999 and the Australian Diabetes Society Kellion Award in 2006. In 2007 he was elected as a Fellow to the Australian Academy of Science.

He has pioneered research on the insulin responsive glucose transporter GLUT4 and insulin vaction, the topological mapping of the insulin signal transduction pathway and the creation of a method for studying in vivo metabolism in small animals.



1-2 PM TUESDAY 17 May 2011

Venue: The Gould Seminar Room
Gould Wing (Building 116)
Research School of Biology

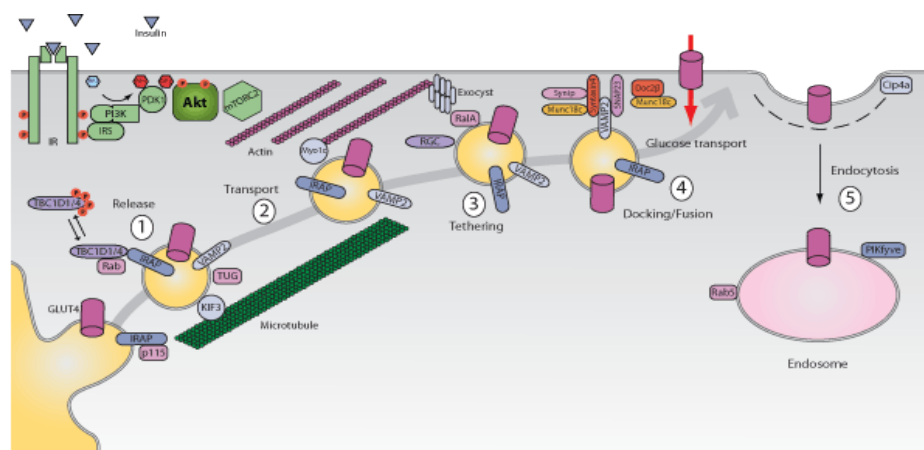
Speaker: Professor David James
Director, Diabetes & Obesity Research,
Garvan Institute of Medical Research

For further information

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Research School of Biology.

Insulin regulates a multitude of metabolic processes in adipocytes including glucose disposal, lipolysis, protein synthesis and translation. Identification of these processes typically relied on reverse biochemistry whereby discovery of the biological action preceded the discovery of the upstream regulatory elements.



With recent developments in phosphoproteomic analysis we are in a strong position to use forward biochemical approaches to unveil novel actions of hormones such as insulin, which may strengthen our therapeutic repertoire of molecular targets.