



Institute of
Molecular and
Cell Biology

SEMINAR ANNOUNCEMENT

DATE: 16 February 2012, Thursday
TIME / VENUE: 11:00AM @ Breakthrough Theatre, Level 4, Matrix Building, Biopolis
SPEAKER: Dr. Mary Munson
TITLE OF SEMINAR: **Molecular Architecture of the Exocyst Complex and its Function in Exocytosis**



Trafficking of protein and lipid cargo through the secretory pathway in eukaryotic cells is mediated by membrane-bound vesicles. Secretory vesicle targeting and fusion require a conserved multi-subunit protein complex termed the exocyst, which interacts with proteins and lipids at sites of polarized exocytosis. The exocyst is a member of the CATCHR family of multi-subunit tethering complexes; these complexes share strong structural homology with <10% sequence identity. Beside a proposed role in specific vesicle tethering, the exocyst is directly involved in regulating SNARE complexes and SNARE-mediated membrane fusion. Moreover, the exocyst complex directly interacts with the exocytic Sec1/Munc18 protein. Our studies indicate functional cooperation between the exocyst and Sec1p in regulating SNARE complex assembly and membrane fusion.

Host: Prof. Wanjin Hong

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