

DEPARTMENT OF CHEMISTRY
Seminar Series



THURSDAY JULY 12TH - 12:00 Noon, MC H313

*The Inositol Pyrophosphates
Hyperphosphorylated
Metabolic Messengers*

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Abstract: inositol pyrophosphates are the most densely phosphorylated molecules known to date. They are classified as metabolic messengers that regulate cellular energy and phosphate homeostasis. This talk will focus on their chemical synthesis and modification. We have managed to generate cell permeable and photo caged analogs that are useful as probes to study biological functions with temporal and spatial resolution. Applying these tools we have been able to demonstrate that they regulate the intracellular localisation of Akt, an important signalling node kinase.