

# Department of Pharmacology Seminar Series



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## Translational Research in Drug Development

Finding and developing new medications is a costly endeavour with high attrition. A major part of a drug developer's responsibilities is to rapidly identify efficacy and deleterious effects of new drugs under investigation. To this end, the use of translational strategies offer hope for investigators to expedite drug development and lower the cost of failure. This presentation is an overview of the translational tools presently available and the challenges associated with them.



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## Pharmacometrics in Drug Development

Pharmacometrics is the science of quantifying and characterizing disease, drug effects and variability or uncertainty around those parameters. It is a critical tool in model-based and model-driven drug development allowing scientists to make more precise predictions about drug behaviours, its effects and to understand likelihood of technical success in the development process. The presentation deals with the applications of pharmacometrics in informing some of these decisions for drug developers.

**Date:** Thursday, 12 February, 2015  
**Time:** 2:15 pm – 3:15 pm  
**Venue:** MD9-01-02H Physiology workshop 1/2  
**Chairperson:** A/Prof. Fred Wong