



SCI's Fine Chemicals Group International Year of Chemistry Public Lecture Series 2011

Using Chemistry to Discover New Medicines and Improve Lives

Dr Mike Waring, AstraZeneca

Thursday 20 October 2011, 13:00

Lecture Theatre G51, School of Chemistry, University of Manchester, Oxford Road,
Manchester, M13 9PL

The talk is a popular science lecture on medicinal chemistry and will describe how new medicines are designed in the modern era. Starting with a historical perspective, the way drugs interact at a molecular level to bring about a therapeutic effect will be explained using prominent historical examples, going on to describe how this understanding is applied in modern medicinal chemistry to design new medicines. This will be illustrated with notable recent examples from AstraZeneca programmes. The talk will also outline some of the challenges the future holds for the industry. The intention is that the talk will contain sufficient technical content to make it meaningful but will be pitched at a level to make it understandable to those not familiar with the discipline or with a limited chemistry background. The intended audience is prospective chemistry students wanting to know more about a medicinal chemistry career and members of the public interested in how medicines are discovered and how they work

Full listings and details can be found on the
official IYC website:

[http://www.chemistry2011.org/participate/
events](http://www.chemistry2011.org/participate/events)

Series Organisers:

Dr Sarah Major, Argenta

Dr Simon Peace, GlaxoSmithKline

Dr David Alker, David Alker Associates

