



## Measurement and Analysis in the Pharma Value Chain

A workshop organised by Chemistry Innovation Knowledge Transfer Network

*23 April 2008, 1030-1500*

*Future Focus, 1 Victoria Street, London SW1H 0ET*

The UK pharmaceutical industry is an established and well-regulated sector where measurement and analytical science plays an enabling and critical role in the discovery, development, production and protection of new drugs and treatments. Significant advances in the analytical tools used by pharma in recent years have included developments in near infra-red (NIR) sensing, DNA analysis, thermal analysis, rapid chromatography, mass spectrometry, electrophoresis and nano-scale probes. High throughput technologies and process analytics have delivered step change improvements in the productivity of R&D and manufacturing operations. Measurement and analytical science also underpins compliance within the pharmaceutical regulatory framework. Furthermore, societal pressures that are driving moves to more sustainable manufacturing, a growth in points of care treatment and expanded screening programmes all rely on advanced levels of analysis and measurement capability. As patients become more selective in their treatment requirements, the methods employed by analytical science to support the pharma sector may well have to adapt to accommodate these changing expectations.

This workshop will assess how effectively measurement and analytical science currently services the pharma sector and what will be required in the future. We will examine the support that measurement and analysis provides at key points of the pharma value chain: from discovery through to development, manufacture and ultimately at the points of care that represent end use. Outputs from the workshop will be used to define a strategic UK position for analytical science in the pharma sector. A cross-disciplinary panel of experts representing different points of the value chain will participate. Key objectives are:

- To conduct a strategic assessment of how effectively measurement and analytical science supports the pharma value chain and to identify future needs.
- To steer future research and development effort by identifying knowledge and technology gaps.
- To review if current measurement and analytical capability can accommodate the demands of an evolving regulatory environment.
- To assess whether the right skills mix is available of providing measurement and analytical science capability and to identify training needs.
- To assess how measurement and analysis is addressing some of the societal factors, such as sustainable manufacturing and points of care treatment, driving this sector.

**If you are interested in participating in the workshop, please contact:**

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