

**Developing Platform Chemical Technologies to Support
Pharmaceutical Process Research**

Christopher J. Welch

Platform tools and technologies are largely responsible for recent advances in the speed and efficiency of experimentation in pharmaceutical discovery and development. In this context, a platform represents a generalized solution that can be applied to an entire class of complex problems. Platform solutions often incorporate a user friendly simplifying layer that masks an underlying layer of complexity. Several examples of platform chemical technologies developed within the Merck Process Research Department will be presented.