

## **Advances in Multivariate Analysis in Pharmaceutical Process Development**

In the last five years, reports of the application of multivariate methods in pharmaceutical process R&D have burgeoned. Examples range from the widespread adoption of statistical experimental design for screening and process optimization, to the implementation of workflows that integrate multivariate characterization, experimental design and the development of Quantitative Structure-Property Relationships. Having learned from the application of these techniques in drug discovery and armed with modern high throughput experimentation platforms, practitioners are discovering the power of experimental design and multivariate methods for shortening process development timelines.

Ben McKay, Marcel Hoogenraad, Eric WP Damen and Alan A Smith in "Current Opinion in Drug Discovery & Development", 2003, vol. 6, pp. 966-977.