

**W0071**

**Problematic Crystal Forms Discovered Utilizing High Throughput and Conventional Crystallization Techniques.** John DiMarco, Robert Borzilleri, Rama Chidambaram, George Derbin, Michael Galella, Jack Gougoutas, Jean Lajeunesse, Mary Malley, Larry Parker, Victor Rosso, Solid State Chemistry, Bristol-Myers Squibb Pharmaceutical Research Inst., Route 206 & Province Line Road, Princeton, NJ 08543.

In today's pharmaceutical industry it is important to optimize the discovery and characterization of solid state forms obtained through conventional and high throughput techniques for crystallization of new drug candidates and synthetic intermediates. Specific instrumentation and methods necessary to handle "problematic" crystals (tiny, unstable, desolvated, transformed, etc.) will be presented, together with packing analyses of some solvated and neat crystal structures and their solid state desolvation/transformations. This presentation will complement the preceding one on "High Throughput Crystallization of Small Molecules".