

Crystal engineering for career opportunities in pharmaceutical research innovation

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The role of scientists in the product and process development in pharmaceutical companies is changing rapidly due to growing demand for innovation and regulatory requirement. Overall there is growing impetus on improving understanding. Crystal engineering play a major role in addressing many challenges in formulation development and manufacturing of pharmaceuticals.

The early career researchers from different disciplines entering the pharmaceutical industry contribute to innovation in the applied research and development with strong interdisciplinary exposure with strong understanding of crystal engineering especially the metastable polymorphs, cocrystals and stabilised amorphous states. The focus of the talk will be based on the innovative technologies and products developed at Centre for Pharmaceutical Engineering Science based on crystal engineering approaches [1].

[1] Paradkar, A. et al. (2015). Cryst. Growth Des. 15, 5648 - 5651.

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