

5th International Conference on**Medicinal Chemistry &****Computer Aided Drug Designing and Drug Delivery**

December 05-07, 2016 Phoenix, USA

***Thorsten Nowak***

C4X Discovery, UK

Conformational design in medicinal chemistry - An important under-utilised opportunity

With the expertise of the team from C4X Discovery, this workshop will explore how conformational insights can impact rational design in drug discovery. A brief introduction into techniques available to experimentally determine molecular conformations will follow a discussion of their associated advantages and limitations. Subsequently, control factors of conformational behavior will be introduced and their utility exemplified with case studies that will explore the principles of conformational design. The workshop participant will gain an outline understanding of the control of conformational features and how such knowledge can be used to complement alternative design strategies and technologies.

Biography

Thorsten Nowak completed his PhD from the University of Cambridge (UK) in the areas of aldol methodology and natural product synthesis. In 1996, he joined AstraZeneca where he worked on all stages of drug discovery from target to candidate selection in medicinal chemistry as team leader and project manager. His keen interest in new technologies motivated a career move from big pharma to platform technology business in 2012 when he joined C4X Discovery. In his current role, he is responsible for all internal drug discovery projects at C4X Discovery as well as continued development of the technology in the context of application to drug discovery.

thorsten.nowak@c4xdiscovery.com**Notes:**