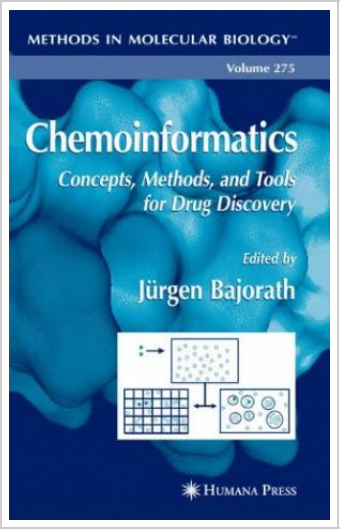

Chemoinformatics: Concepts, Methods, and Tools for Drug Discovery (Hardback)

By -

Humana Press Inc., United States, 2004. Hardback. Condition: New. 2004 ed.. Language: English . Brand New Book ***** Print on Demand *****.In the literature, several terms are used synonymously to name the topic of this book: chem-, chemi-, or chemo-informatics. A widely recognized de- nition of this discipline is the one by Frank Brown from 1998 (1) who defined chemoinformatics as the combination of all the information resources that a scientist needs to optimize the properties of a ligand to become a drug. In Brown s definition, two aspects play a fundamentally important role: de- sion support by computational means and drug discovery, which distinguishes it from the term chemical informatics that was introduced at least ten years earlier and described as the application of information technology to ch- istry (not with a specific focus on drug discovery). In addition, there is of course chemometrics, which is generally understood as the application of statistical methods to chemical data and the derivation of relevant statistical models and descriptors (2). The pharmaceutical focus of many developments and efforts in this area-and the current popularity of gene-to-drug or si- lar paradigms-is further reflected by the recent introduction of such terms as discovery informatics...

Reviews

Complete guideline! Its this type of great read through. it absolutely was writtern quite perfectly and helpful. I am very happy to explain how this is basically the best book i actually have read through during my personal life and can be he very best book for at any time.

-- ***Joshua Gerhold PhD***

A very awesome book with perfect and lucid reasons. It really is basic but shocks within the 50 percent of the book. Its been designed in an exceptionally easy way and is particularly merely right after i finished reading this ebook where in fact changed me, change the way i think.

-- ***Meagan Roob***