

The Impact of bioinformatics on drug discovery: past, present and future perspectives

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The field of bioinformatics changed radically over the last two decades. Whereas bioinformatics was a scientific field mainly focused around sequence and structure of biological molecules it is changing rapidly into a system-oriented science which is faced with a list of new challenges. Bioinformatics and chemoinformatics methods and tools play a crucial factor in the early drug discovery process and it can be foreseen that this impact will increase significantly in the next few years. The talk will reflect on some past and current challenges and will discuss some of the future needs for drug discovery.