

Chemogenomics And Chemical Genetics

[DOWNLOAD HERE](#)

The pharmacological screening process: the small molecule, the biological target, the robot, the signal and the information.- Collections of molecules for screening: example of the French National Chemical Library.- The miniaturised biological assay: constraints and limitations.- The signal: statistical aspects, standardisation, elementary analysis.- Measuring bioactivity: Ki, IC₅₀ and EC₅₀.- Modelling the pharmacological screening: controlling the processes and the chemical, biological and experimental information.- Quality procedures in automated screening.- Phenotypic screening of cells and the strategies for direct chemical genetics.- High information content screens for forward (phenotypic screening of organisms) and reverse (structural screening by NMR) chemical genetics.- Some principles of Diversity-Oriented Synthesis.- Molecular descriptors and similarity indices.- Lipophilicity of molecules: a predominant descriptor for QSAR.- The annotation and classification of chemical space in chemogenomics.- The annotation and classification of biological space in chemogenomics.- Machine learning and screening data.- Virtual screening by molecular docking.- Biodiversity as a source of small molecules for pharmacological screening: libraries of plant extracts. EAN/ISBN : 9783642196157
Publisher(s): Springer, Berlin Discussed keywords: Gen-Analyse / Genom-Analyse, Genetik Format: ePUB/PDF Author(s): Marchal, Eric - Roy, Sylvaine - Lafanechre, Laurence

[DOWNLOAD HERE](#)

Similar manuals:

[Cytogenetik - Antje Van De Loo](#)

[Humangenetik Und Biomedizin Als Vertreter Einer Neuen Eugenik - Marie Koch](#)

[MP3 Deep-C - Genetikz](#)